

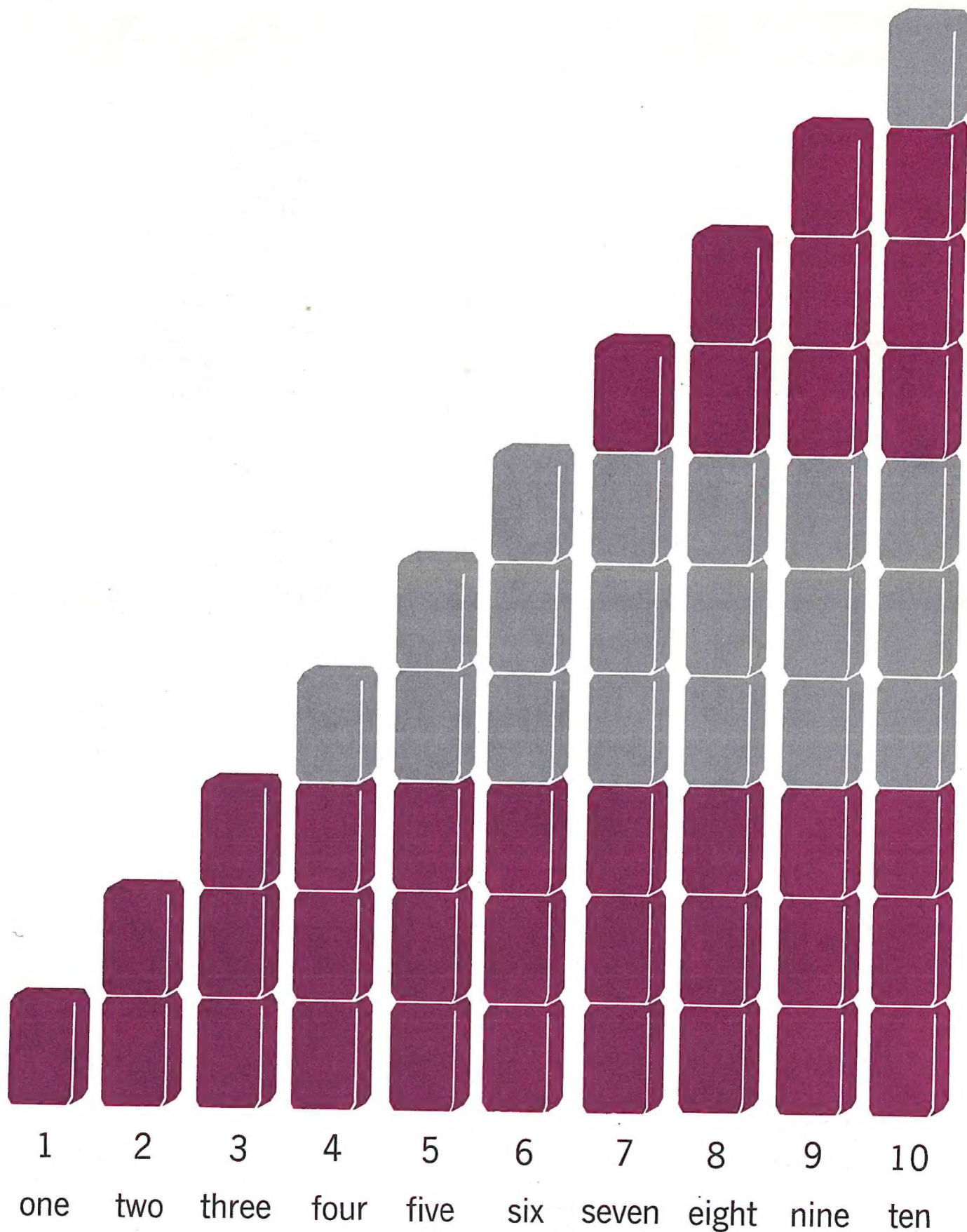


Two by Two



GROWTH IN ARITHMETIC: GRADE 2















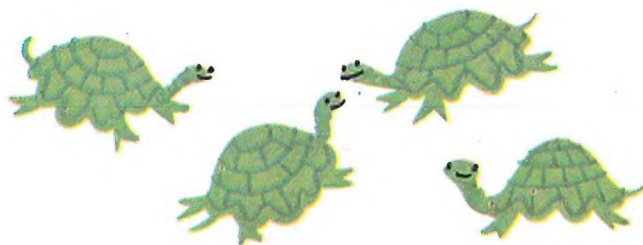
Pet Show

See me!
See me!



Write the number.



3 4 5



1 2 3



1 2 3



2 3 5

Write the number.



6



7



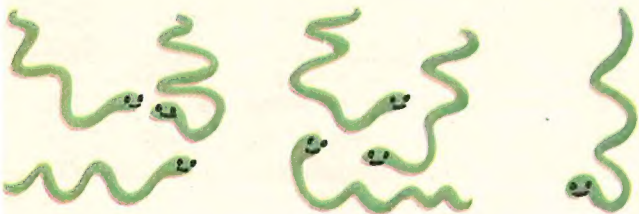
8



9



10



6

7

8



7

8

9



6

7

8

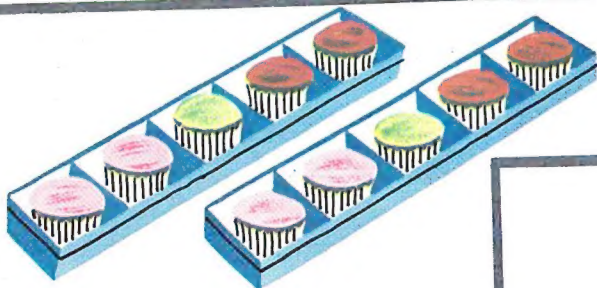
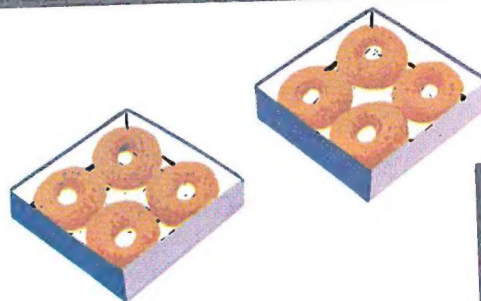
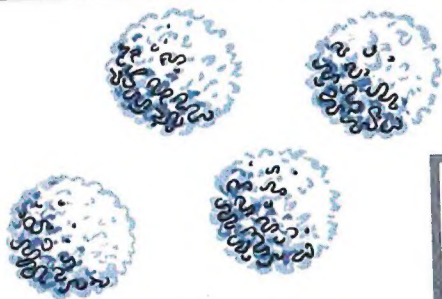
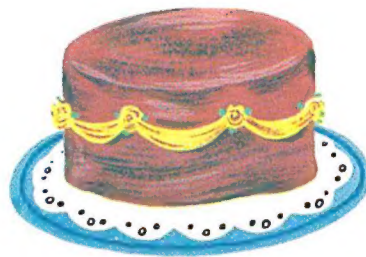


8

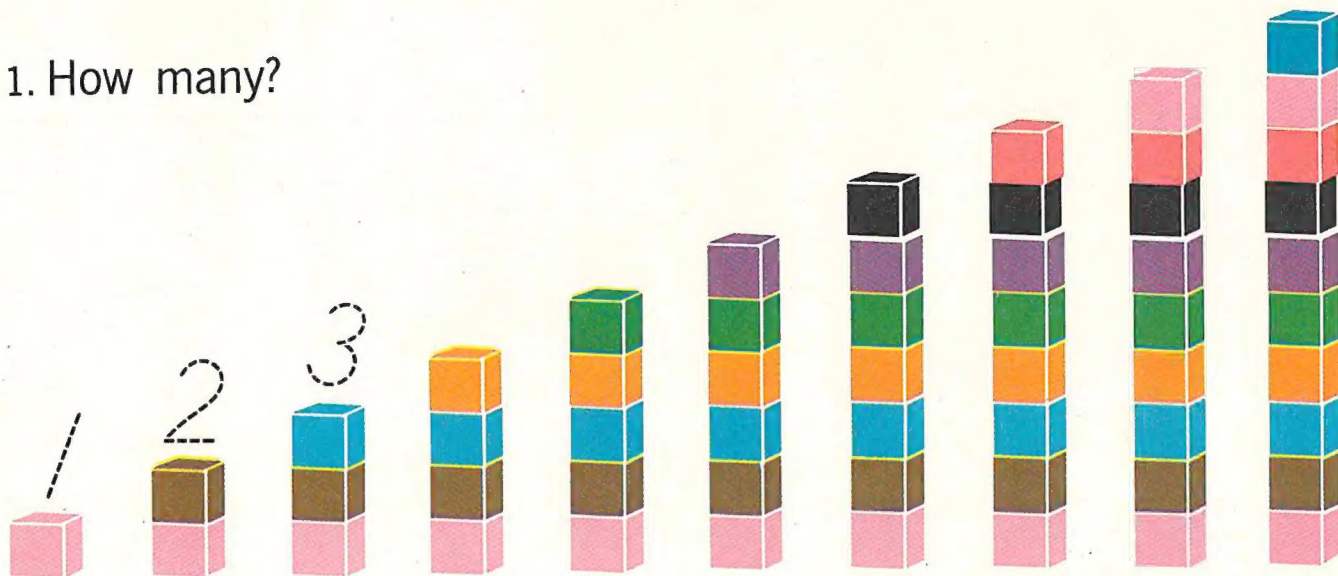
9

10

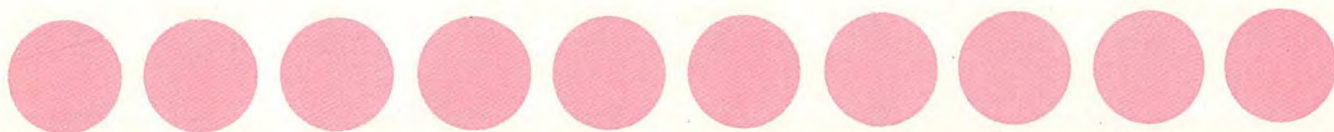
How many?



1. How many?

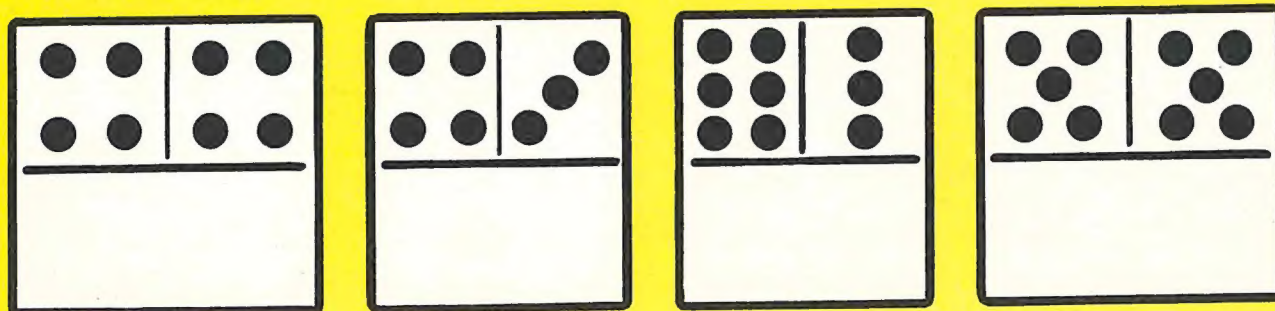
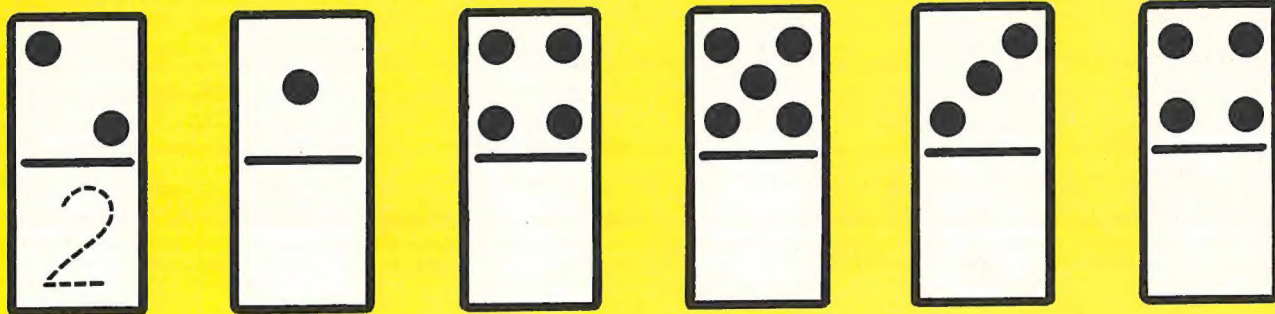


2. Number the balls.



How many balls? —

3. Write the number.



Count by 2's



1.

2

4

6

8

10







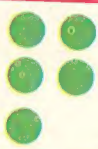

2.



3.


4. Write the missing numbers.

1 3 5 7 9

 1 one	 2 two	 3 three
 4 four	 5 five	 6 six






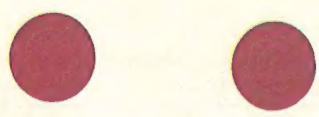
1. Draw a line from each number to its name.

1	two
2	one
3	three



4	four
5	six
6	five

2. Draw a line around the right word.

 three one	 four five	 six five
 two four	 one three	 two six

3. Write the number.

two _____ five _____ six _____ three _____

three _____ one _____ four _____ six _____



2 dogs
 ___ big dog
 ___ little dog



3 dogs
 ___ big dogs
 ___ little dog



___ dogs
 ___ big dog
 ___ little dogs



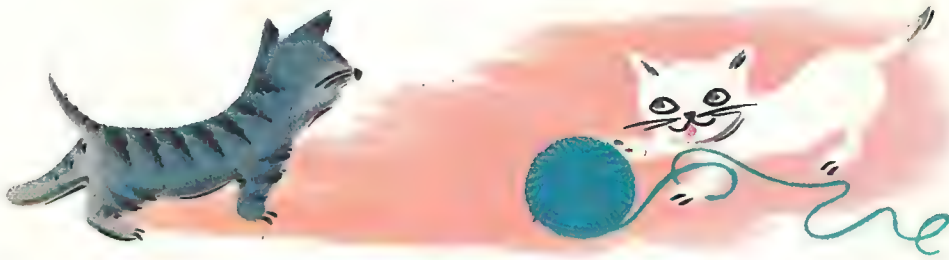
See ____.
 2 is 1 and ____.



See ____.
 3 is 2 and ____.



See ____.
 3 is 1 and ____.



1 and 1 are ____.

1 cat
1 cat
2 cats



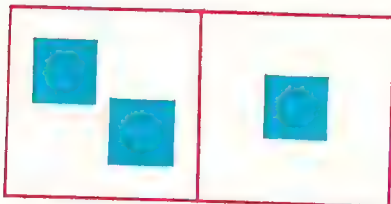
2 and 1 are ____.

2 cats
1 cat
3 cats



1 and 2 are ____.

1 cat
2 cats
 ____ cats



2 and 1 are ____.

1 and 2 are ____.

2 1
1 2

You put together. You add.

2
1

1
2

1
1

2
1

1
1

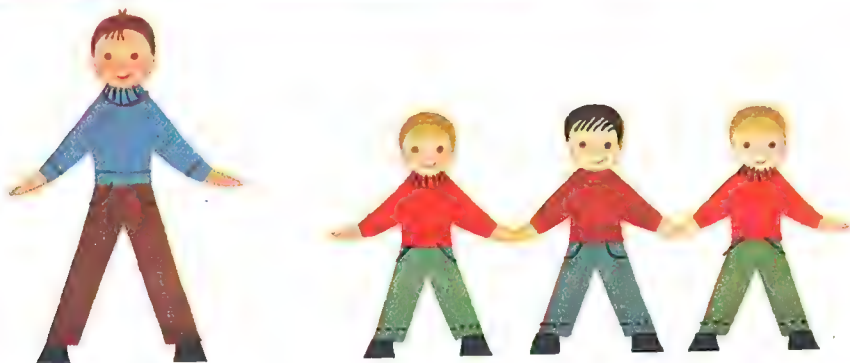
1
2



4 boys

3 tall boys

1 short boy



4 boys

1 tall boy

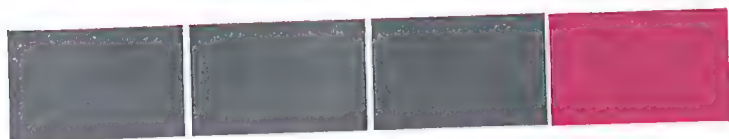
3 short boys



4 boys

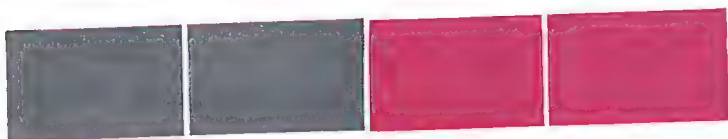
2 tall boys

2 short boys



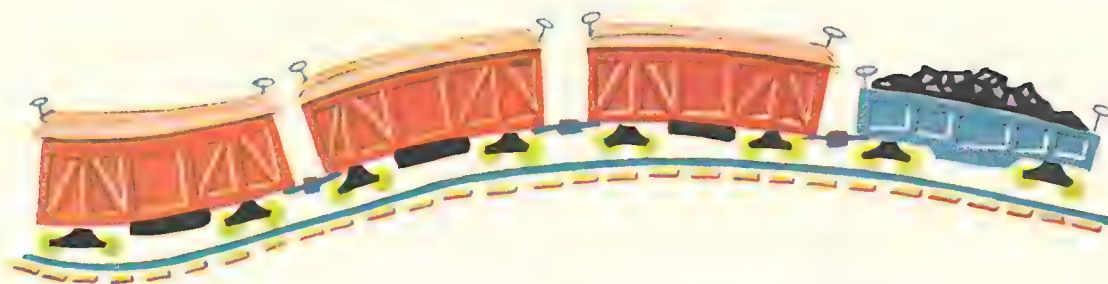
See 4.

4 is 3 and 1.



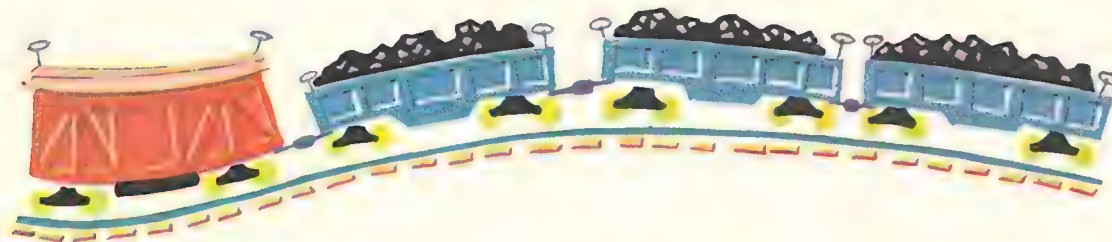
See 4.

4 is 2 and 2.



$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$$

3 and 1 are ____.



$$\begin{array}{r} 1 \\ 3 \\ \hline \end{array}$$

1 and 3 are ____.



$$\begin{array}{r} 2 \\ 2 \\ \hline \end{array}$$

2 and 2 are ____.



3 and 1 are ____.

2 and 1 are ____.

1 and 3 are ____.

1 and 2 are ____.

You put together. You add.

$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ \hline \end{array}$$



5 lights
 _____ red lights
 _____ green light



5 lights
 _____ red lights
 _____ green lights



_____ lights
 _____ red lights
 _____ green lights



_____ lights
 _____ red light
 _____ green lights



See 5.
 5 is 4 and _____.



See _____.
 5 is 3 and _____.



See _____.
 5 is 2 and _____.



See _____.
 5 is 1 and _____.



$$\begin{array}{r} 4 \\ 1 \\ \hline \end{array}$$

4 and 1 are ____.



$$\begin{array}{r} 1 \\ 4 \\ \hline \end{array}$$

1 and 4 are ____.



$$\begin{array}{r} 3 \\ 2 \\ \hline \end{array}$$

3 and 2 are ____.



$$\begin{array}{r} 2 \\ 3 \\ \hline \end{array}$$

2 and 3 are ____.



4 and 1 are ____.

3 and 2 are ____.

1 and 4 are ____.

2 and 3 are ____.

You put together. You add.

$$\begin{array}{r} 4 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$$

1.



___ hats

___ red hats

___ blue hat

2.



___ hats

___ red hats

___ blue hats

3.



___ hats

___ red hats

___ blue hats



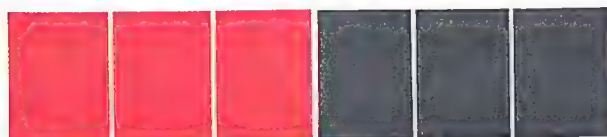
See 6.

6 is 5 and ___.



See ____.

6 is 4 and ____.



See ____.

6 is 3 and ____.



See ____.

6 is 2 and ____.



See ____.

6 is 1 and ____.



$$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$$

5 and 1 are ____.



$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$$

1 and 5 are ____.



$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

4 and 2 are ____.



$$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$$

2 and 4 are ____.



$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

3 and 3 are ____.

You put together. You add.

$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$
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Add 1 more.

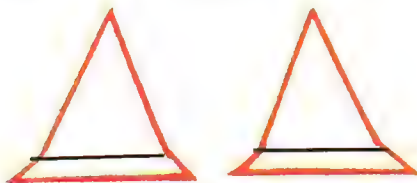


Draw 1 more boat.



1 and 1 are ____.

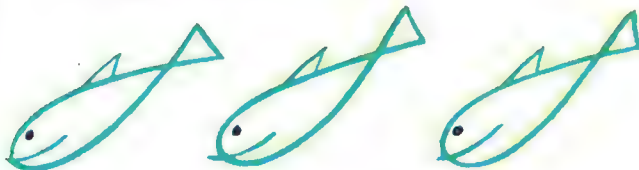
Draw 1 more hat.



2 and 1 are ____.

$$\begin{array}{r} 2 \\ 1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ 2 \\ \hline \end{array}$$

Draw 1 more fish.



3 and 1 are ____.

$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ 3 \\ \hline \end{array}$$

Draw 1 more.



4 and 1 are ____.

$$\begin{array}{r} 4 \\ 1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ 4 \\ \hline \end{array}$$

Draw 1 more.



5 and 1 are ____.

$$\begin{array}{r} 5 \\ 1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ 5 \\ \hline \end{array}$$

Add 2 more.

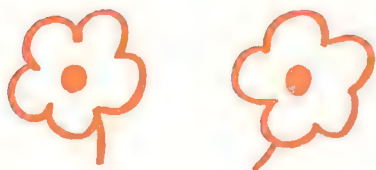
Draw 2 more birds.



1 and 2 are ____.

$$\begin{array}{r|l} & \begin{array}{r} 1 \\ 2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ 1 \\ \hline \end{array} \end{array}$$

Draw 2 more flowers.



2 and 2 are ____.

$$\begin{array}{r|l} & \begin{array}{r} 2 \\ 2 \\ \hline \end{array} \end{array}$$

Draw 2 more.



3 and 2 are ____.

$$\begin{array}{r|l} & \begin{array}{r} 3 \\ 2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ 3 \\ \hline \end{array} \end{array}$$

Draw 2 more.



4 and 2 are ____.

$$\begin{array}{r|l} & \begin{array}{r} 4 \\ 2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ 4 \\ \hline \end{array} \end{array}$$

1 and 2 are ____.

3 and 2 are ____.

4 and 2 are ____.

2 and 2 are ____.

2 and 3 are ____.

2 and 4 are ____.

You put together. You add.



1. Jack has 3 orange cars.

He has 2 black cars.

How many cars has he in all? _____

Orange cars → 3

Black cars → 2

Cars in all → _____

2. Ann has 2 big cats.

She has 4 little cats.

How many cats has she? _____

Big cats → _____

Little cats → _____

Cats in all → _____

3. Ted has 2 white dogs.

He has 2 brown dogs.

How many dogs has he? _____

White dogs → _____

Brown dogs → _____

Dogs in all → _____

4. Dick had 3 planes.

He made 3 more planes.

How many planes has he now? _____

He had → _____

He made → _____

He has now → _____

5. Mary has 1 book.

Sue has 3 books.

How many have they together? _____

Mary's book → _____

Sue's books → _____

Books together → _____



first

second

third

fourth

fifth

sixth

The 1 is first.

The ____ is fourth.

The 2 is second.

The ____ is fifth.

The ____ is third.

The ____ is sixth.

The first child has a ____.

The fourth child has a ____.

The third child has a ____.

The sixth child has a ____.

The fifth child has a ____.

The second child has a ____.

The first child is a ^{boy.}
girl.

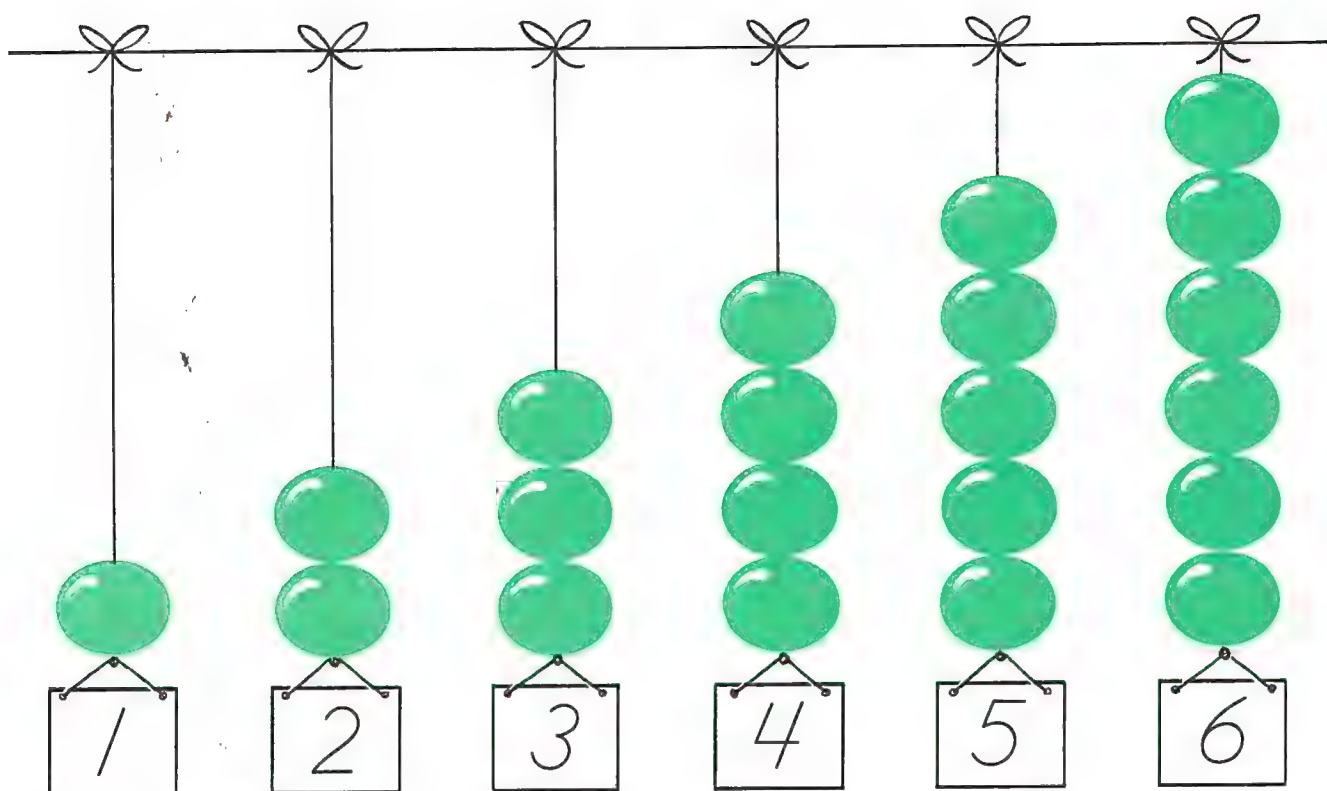
The fifth child is a ^{boy.}
girl.

The second child is a ^{boy.}
girl.

The third child is a ^{boy.}
girl.

The fourth child is a ^{boy.}
girl.

The sixth child is a ^{boy.}
girl.



Draw a line around the answer.

Is 6 more than 5?	<u>Yes</u>	No	Is 5 less than 3?	Yes	<u>No</u>
Is 2 more than 3?	Yes	No	Is 3 less than 6?	Yes	No
Is 4 more than 5?	Yes	No	Is 1 less than 2?	Yes	No
Is 6 more than 4?	Yes	No	Is 5 less than 4?	Yes	No

Can you take 4 from 5? Yes No

Can you take 2 from 4? Yes No

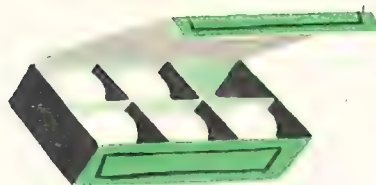
Can you take 1 from 3? Yes No

Can you take 3 from 2? Yes No

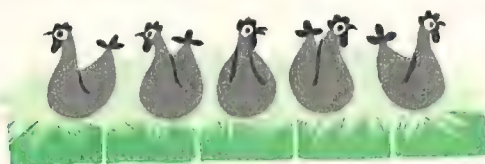
Can you take 6 from 4? Yes No

Can you take 5 from 3? Yes No

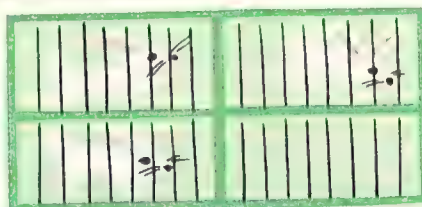
Take away 1.



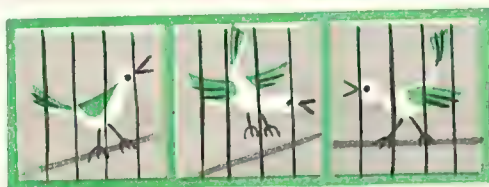
How many? _____ Take away 1. How many left? _____



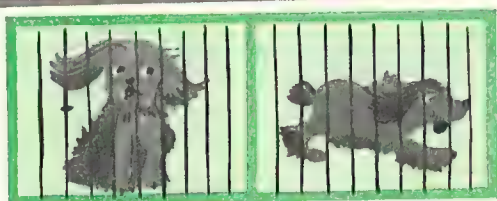
How many? _____ Take away 1. How many left? _____



How many? _____ Take away 1. How many left? _____



How many? _____ Take away 1. How many left? _____



How many? _____ Take away 1. How many left? _____

Take away from 3.



Tom had 3 balloons.

He broke 1 balloon.

He has ____ balloons left.

3 take away 1 is 2.



This says take away \rightarrow $\begin{array}{r} 3 \text{ balloons} \\ - 1 \text{ balloon} \\ \hline 2 \text{ balloons} \end{array}$

1.



2 take away 1 is ____.

$\begin{array}{r} 2 \text{ cars} \\ - 1 \text{ car} \\ \hline \end{array}$

$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$

____ car

2.



3 take away 2 is ____.

$\begin{array}{r} 3 \text{ boats} \\ - 2 \text{ boats} \\ \hline \end{array}$

$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$

____ boat

3. You take away. You subtract.

$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$

$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$

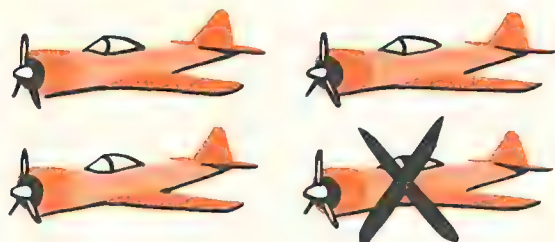
$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$

$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$

$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$

$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$

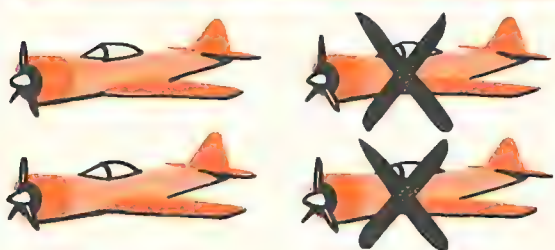
Take away from 4.



$$\begin{array}{r} 4 \text{ planes} \\ - 1 \text{ plane} \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 1 \\ \hline 3 \end{array}$$

1. 4 take away 1 is _____. 3 planes



$$\begin{array}{r} 4 \text{ planes} \\ - 2 \text{ planes} \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$

2. 4 take away 2 is _____. _____ planes



$$\begin{array}{r} 4 \text{ planes} \\ - 3 \text{ planes} \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$$

3. 4 take away 3 is _____. _____ plane



4. 4 take away 1 is _____. 4 take away 3 is _____.

5. You take away. You subtract.

$$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$$

Take away from 5.



1. How many birds? ____.

5 take away 1 is ____.

5 take away 2 is ____.

5 take away 3 is ____.

5 take away 4 is ____.

2.

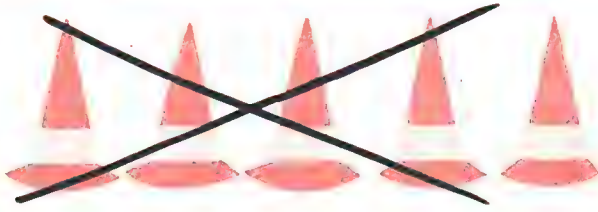
$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

3.



5 take away 1 is ____.

5 take away 4 is ____.

4.



Cover 2 faces.

Cover 3 faces.

5 take away 2 is ____.

5 take away 3 is ____.

5.

You subtract. You take away.

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

Take away from 6.



1. How many bats? ____

6 take away 1 is ____.

6 take away 2 is ____.

6 take away 3 is ____.

6 take away 4 is ____.

6 take away 5 is ____.

2.

$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

3.



6 take away 1 is ____.



6 take away 5 is ____.

4.



6 take away 2 is ____.



6 take away 4 is ____.

5. You subtract. You take away.

$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

Take away all.



How many apples?

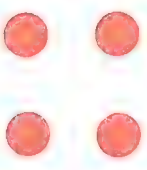



Take away 3 apples.

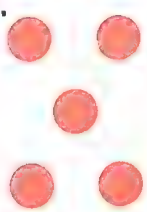
How many left? 0


$$\begin{array}{r} 3 \\ -3 \\ \hline 0 \end{array}$$

0 is called zero. Zero means not any.

1.  How many? \rightarrow 4
Take away 4. \rightarrow $\underline{-4}$
How many left? 0

2.  How many? \rightarrow 2
Take away 2. \rightarrow $\underline{-2}$
How many left?

3.  How many? \rightarrow 5
Take away 5. \rightarrow $\underline{-5}$
How many left?

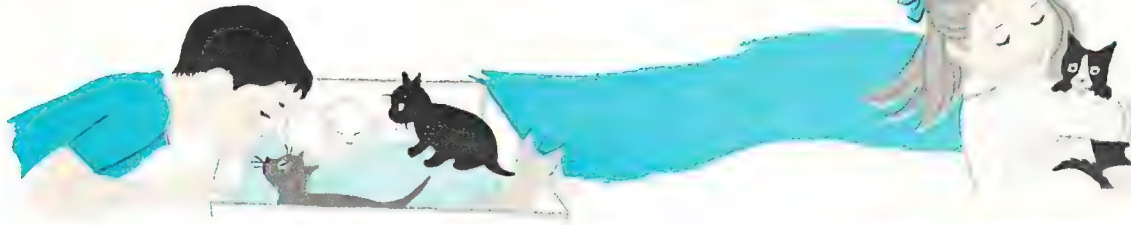
4.  How many? \rightarrow 1
Take away 1. \rightarrow $\underline{-1}$
How many left?

5. You take away. You subtract.

$$\begin{array}{r} 6 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

You find how many are left. You subtract.



1. Dick had 5 kittens.

He gave Ann 1 kitten.

How many are left? _____

Had → 5

Gave Ann -1

Left →

2. John had 6 apples.

He ate 2 apples.

How many are left? _____

Had →

Ate → _____

Left →

3. Jack had 5 balloons.

Two balloons broke.

How many had he then? _____

Had →

Broke → _____

Had then

4. Ted had 3 ducks.

One died.

How many had he then? _____

Had →

Died → _____

Had then

5. Sue had 4 rabbits.

Two ran away.

How many are left? _____

Had →

Ran away _____

Left →

From 10 to 20

1.



10 and 1 are 11.

2.



10 and are 12.

3.



10 and are 13.

4.



10 and are 14.

5.



10 and are 15.

6.



10 and are 16.

7.



10 and are 17.

8.



10 and are 18.

9.



10 and are 19.

10.



10 and are 20.

Count the Tens.

1.



___ tens are 20.

2.



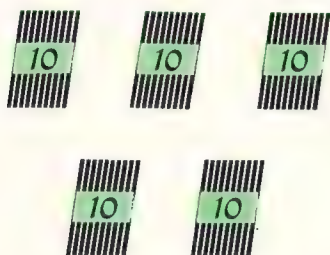
___ tens are 30.

3.



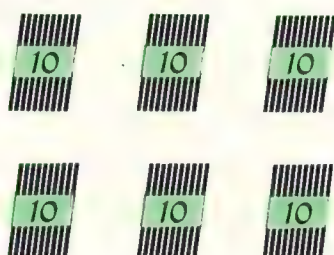
___ tens are 40.

4.



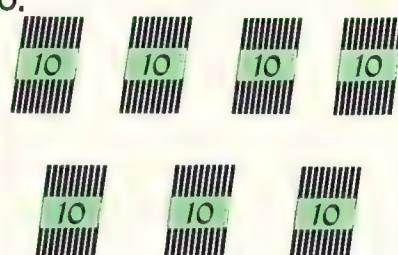
___ tens are 50.

5.



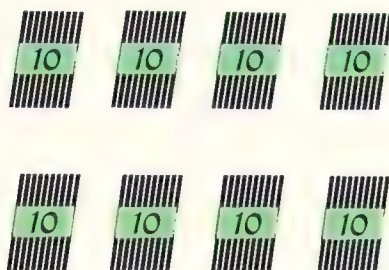
___ tens are 60.

6.



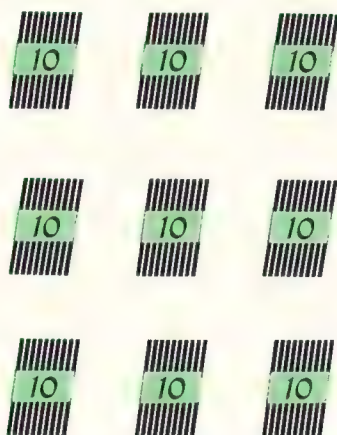
___ tens are 70.

7.



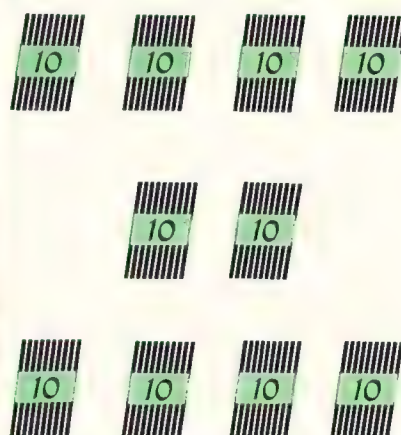
___ tens are 80.

8.



___ tens are 90.

9.



___ tens are 100.

20 is ___ tens.

70 is ___ tens.

30 is ___ tens.

40 is ___ tens.

80 is ___ tens.

60 is ___ tens.

90 is ___ tens.

50 is ___ tens.

100 is ___ tens.



4 and 1 are ____.

1 and 4 are ____.

5 take away 4 is ____.

5 take away 1 is ____.



2 and 3 are ____.

3 and 2 are ____.

5 take away 2 is ____.

5 take away 3 is ____.



2 and 1 are ____.

1 and 2 are ____.

3 take away 2 is ____.

3 take away 1 is ____.

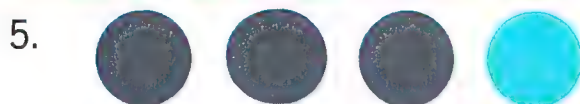


5 and 1 are ____.

1 and 5 are ____.

6 take away 1 is ____.

6 take away 5 is ____.



3 and 1 are ____.

1 and 3 are ____.

4 take away 3 is ____.

4 take away 1 is ____.



2 and 4 are ____.

4 and 2 are ____.

6 take away 2 is ____.

6 take away 4 is ____.



3 and 3 are ____.

6 take away 3 is ____.



2 and 2 are ____.

4 take away 2 is ____.



1 cent

1 ¢



1 nickel

5 ¢



1 dime

10 ¢

1.



=



1 nickel is ____ ¢.



=



=



1 dime is ____ ¢ or ____ nickels.

2. Point and count.



5¢



6¢



7¢



8¢



9¢



10¢



____ ¢



____ ¢

3. Which is more?

1 nickel

4 cents

1 nickel

1 dime

1 nickel

6 cents

1 dime

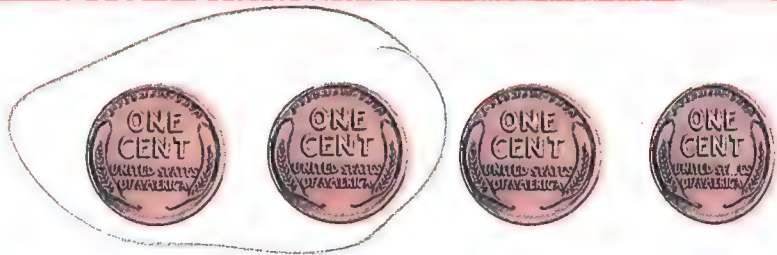
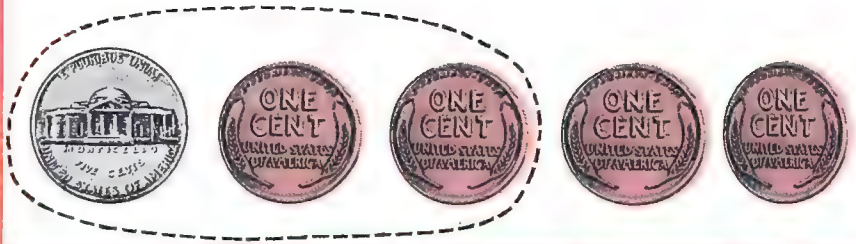
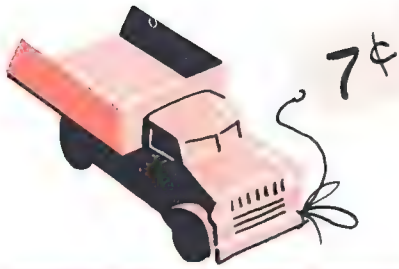
7 cents

1 dime

9 cents

8 cents

2 nickels





Buy a doll \longrightarrow 4¢

Buy a ball \longrightarrow 2¢

Pay 6¢

This tells you to add \longrightarrow $\begin{array}{r} 4¢ \\ + 2¢ \\ \hline 6¢ \end{array}$



1. Buy a balloon \longrightarrow 1¢

Buy a horn \longrightarrow + 3¢

Pay \longrightarrow _____¢

2. Buy a balloon \longrightarrow 1¢

Buy a plane \longrightarrow + 5¢

Pay \longrightarrow _____¢

3. Buy a ball \longrightarrow 2¢

Buy a doll \longrightarrow + 4¢

Pay \longrightarrow _____¢

4. Buy a horn \longrightarrow 3¢

Buy a ball \longrightarrow + 2¢

Pay \longrightarrow _____¢

5. Buy 2 horns \longrightarrow 3¢

\searrow + 3¢

Pay \longrightarrow _____¢

6. Buy 2 balls \longrightarrow 2¢

\searrow + 2¢

Pay \longrightarrow _____¢



1. Dick has \longrightarrow 5¢
 Dick pays \longrightarrow - 2¢
 Dick has left \longrightarrow 3¢

2. Betty has \longrightarrow 6¢
 Betty pays \longrightarrow - 1¢
 Betty has left \longrightarrow ¢

3. Ann has \longrightarrow 4¢
 Ann pays \longrightarrow - 2¢
 Ann has left \longrightarrow ¢

4. Jane has \longrightarrow 6¢
 Jane pays \longrightarrow - 4¢
 Jane has left \longrightarrow ¢

5. Jack has \longrightarrow 6¢
 Jack pays \longrightarrow - 2¢
 Jack has left \longrightarrow ¢

6. John has \longrightarrow 5¢
 John pays \longrightarrow - 4¢
 John has left \longrightarrow ¢

7. Mary has \longrightarrow 5¢
 Mary pays \longrightarrow - 3¢
 Mary has left \longrightarrow ¢

8. Susan has \longrightarrow 6¢
 Susan pays \longrightarrow - 3¢
 Susan has left \longrightarrow ¢

1.



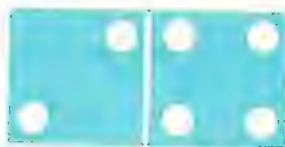
$$\begin{array}{r} 3 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$

2.



$$\begin{array}{r} 2 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

3.



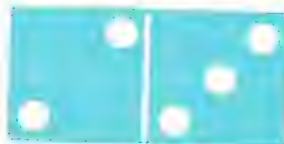
$$\begin{array}{r} 4 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

4.



$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

5.



$$\begin{array}{r} 2 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$

6.



$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$

7.



$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

8.



$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

Do you add? Do you subtract?

1. Dick has 2 trucks.

He buys 2 more trucks.

How many has he then? _____

Add Subtract

Has → 2
Buys → +2
Has then → _____

2. Jane had 4 cents.

She found 1 cent.

How many had she then? _____

Add Subtract

Had → ¢
Found → _____ ¢
Had then → _____ ¢

3. Jim had 5 apples.

He ate 2 apples.

How many had he then? _____

Add Subtract

Had → _____
Ate → _____
Had then → _____

4. Betty had 6 cookies.

She gave away 2.

How many had she then? _____

Add Subtract

Had → _____
Gave away → _____
Had then → _____



7

seven



8

eight



9

nine



10

ten

1. Write the numbers.

seven _____

nine _____

eight _____

ten _____

ten _____

eight _____

seven _____

nine _____

eight _____

ten _____

nine _____

seven _____

2. Draw a line around the larger number.

8

6

9

3

7

8

10

2

5

7

6

8

4

3

9

3

1

6

10

5

8

4

2

7

3. Write the missing numbers.

1 2 _____

2 _____ 4

_____ 8 9

3 4 _____

7 _____ 9

_____ 4 5

6 7 _____

5 _____ 7

_____ 7 8

8 9 _____

8 _____ 10


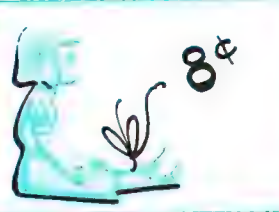
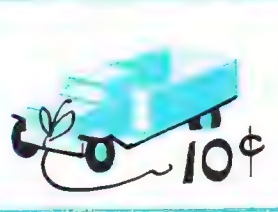

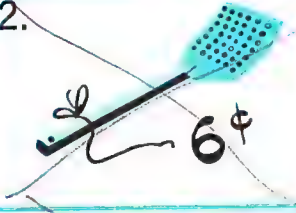



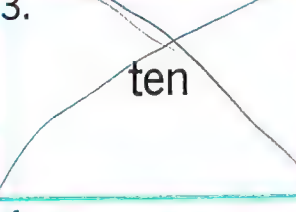
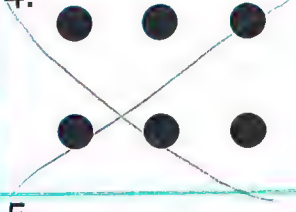

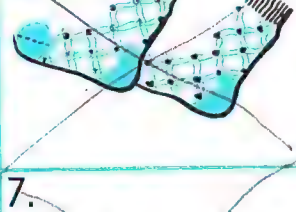

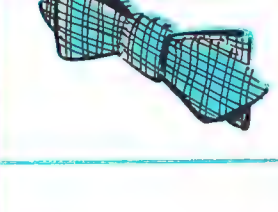

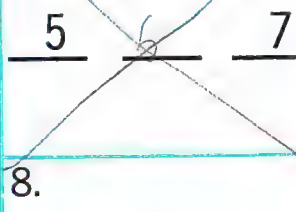
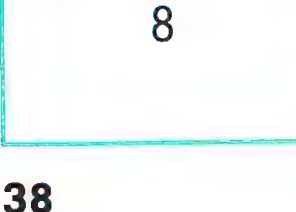
_____ 9 10

7 8 _____









6 _____ 8

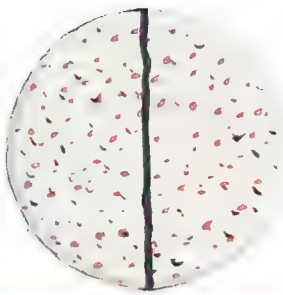
_____ 2 3

Test 1

1.  5¢	 8¢	 10¢	 9¢
2.  6¢			
3.  ten	seven	five	eight
4.  9	9	5	6
5.  1	1	5	10
6. 			
7.  5	6	9	8
8.  7	9	10	7

Test 2

1.	5	7	6	4
2.	8	9	6	10
3.				
4.				
5.	$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$
6.	$\begin{array}{r} 5\text{¢} \\ - 3\text{¢} \\ \hline 2\text{¢} \end{array}$	$\begin{array}{r} 2\text{¢} \\ + 3\text{¢} \\ \hline 5\text{¢} \end{array}$	$\begin{array}{r} 3\text{¢} \\ + 2\text{¢} \\ \hline 5\text{¢} \end{array}$	$\begin{array}{r} 5\text{¢} \\ - 2\text{¢} \\ \hline 3\text{¢} \end{array}$
7.	$\begin{array}{r} 4 \\ - 2 \\ \hline 2 \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline 6 \end{array}$	$\begin{array}{r} 6 \\ - 4 \\ \hline 2 \end{array}$	$\begin{array}{r} 2 \\ + 2 \\ \hline 4 \end{array}$
8.	$\begin{array}{r} 1 \\ + 3 \\ \hline 4 \end{array}$	$\begin{array}{r} 4 \\ - 3 \\ \hline 1 \end{array}$	$\begin{array}{r} 3 \\ + 1 \\ \hline 4 \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline 5 \end{array}$



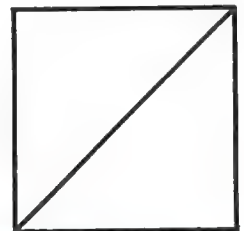
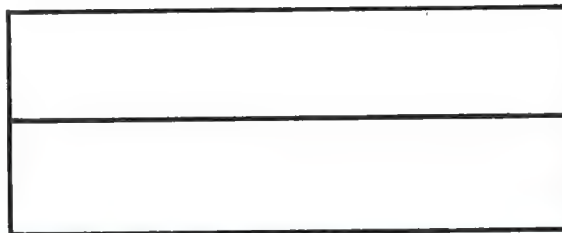
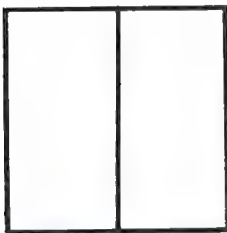
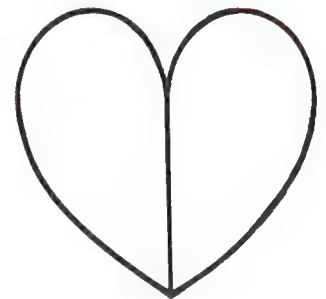
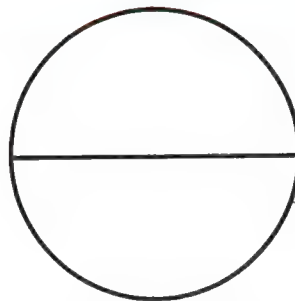
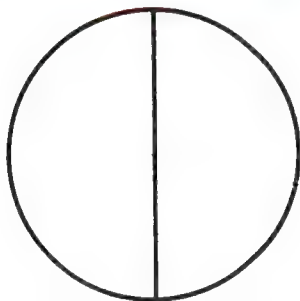
How many pieces? ____

Are the pieces the same size? ____

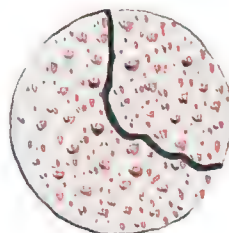
One piece is one half.

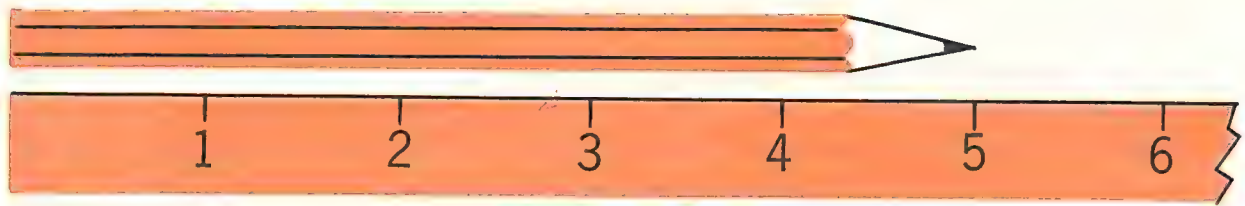
Color one half red.

Color the other half blue.



Draw a line around each thing that shows halves.





How long is the pencil? _____ inches



Put sticks on the balloons.

Make the sticks 2 inches long.



Put 6 candles on the cake.

Make the candles 1 inch high.

How long are these lines?



_____ inches



_____ inches



_____ inches



_____ inches

Draw a line 3 inches long.

Draw a line 4 inches long.



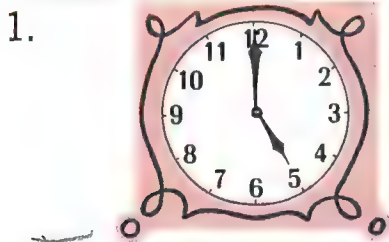
Long hand at 12
Short hand at 1
1 o'clock



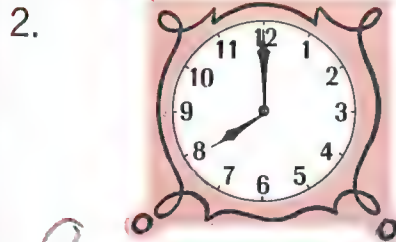
Long hand at 12
Short hand at 2
2 o'clock



Long hand at 12
Short hand at 3
3 o'clock



5 o'clock



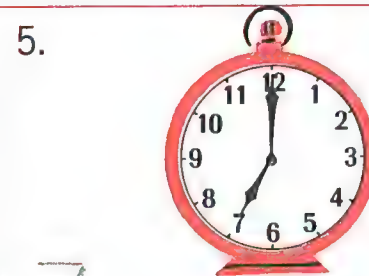
8 o'clock



11 o'clock



4 o'clock



7 o'clock



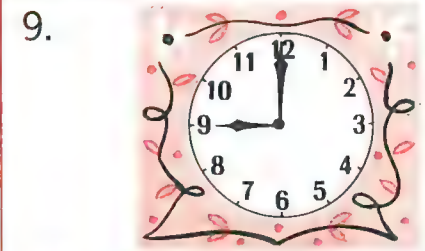
10 o'clock



12 o'clock



6 o'clock



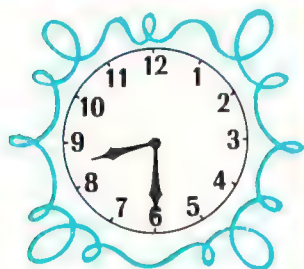
9 o'clock



1.
The short hand is at 12.
The long hand is at 9.
It is 9 o'clock.



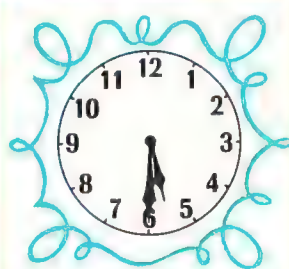
2.
The long hand has gone half way round the clock.
The short hand is past 9.
It is half-past 9.



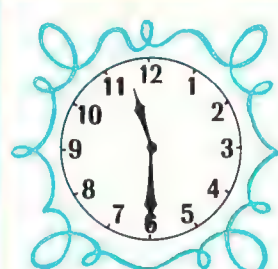
half-past 8



half-past 2



half-past 5



half-past 11

Draw a line from each clock to the time.



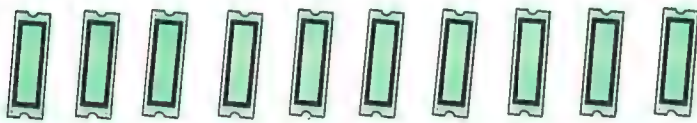
Half-past two

Half-past ten

Eight o'clock

Four o'clock



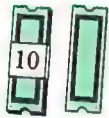


10 ones



1 ten

1.



1 ten 1 one

//

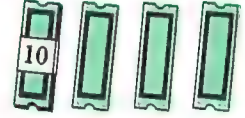
2.



1 ten 2 ones

/2

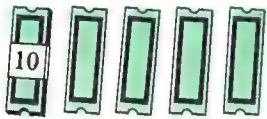
3.



1 ten 3 ones

/3

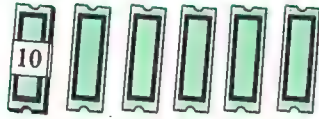
4.



1 ten 4 ones

/4

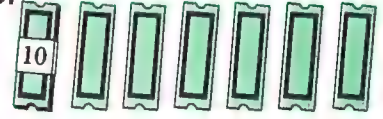
5.



1 ten 5 ones

/5

6.



1 ten 6 ones

/6

1.



1 ten 7 ones

17

2.



1 ten 8 ones

18

3.



1 ten 9 ones

19

4.



2 tens

20

/	2	3	4	5	6	7	8	9	10
//	/2	/3	/4	/5	/6	/7	/8	/9	20

Write the missing numbers.

10 and 5 ____

1 more than 10 ____

10 and 7 ____

4 more than 10 ____



10 and 2 ____


6 more than 10 ____


10 and 10 ____


8 more than 10 ____


Draw more sticks to make the number.


16  
1 ten 6 ones

15 
1 ten _____ ones



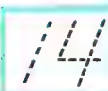
12 
1 ten _____ ones




11 
1 ten _____ one




17 
1 ten _____ ones




18 
1 ten _____ ones




How many beads ? Write the number.

1. 



2. 



3. 



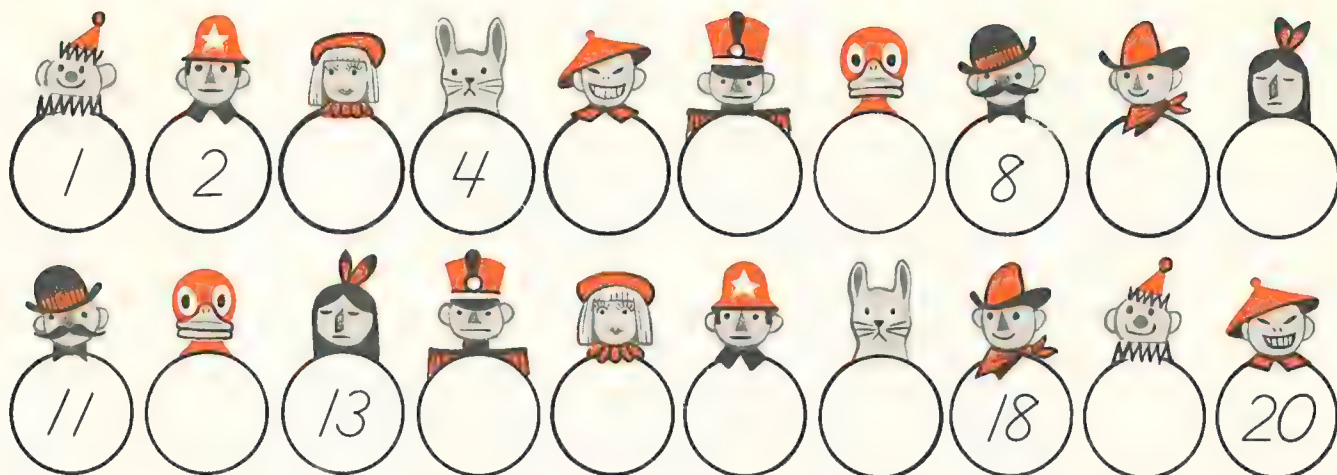
4. 



5. 



6. 



Write the missing numbers.



11 12

15 17

 15 16

16 17

12 14

 10 11

18 19

18 20

 16 17

9 10

11 13

 18 19

Cross off the larger number.

12 17

11 13

20 18

14 10

15 9

16 19

Cross off the smaller number.

12 15

14 13

20 17

9 11

13 16

12 8



Dimes Pennies

1

3

13¢



Dimes Pennies

1

4

14¢

Draw a line around the number the coins show.

1.



12¢

13¢

14¢

2.



10¢

11¢

12¢

3.



15¢

16¢

17¢

4.



15¢

16¢

17¢

5.



12¢

13¢

15¢

6.



13¢

15¢

16¢

Draw a line around the coins you pay.



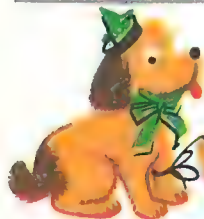
13¢



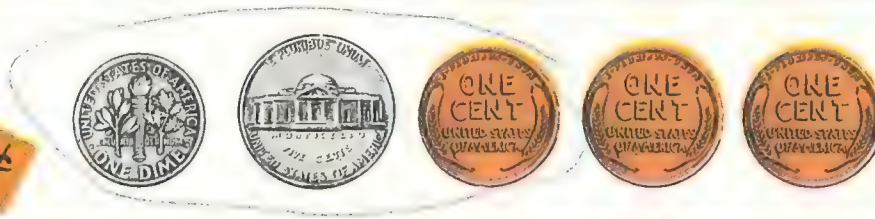
14¢



12¢



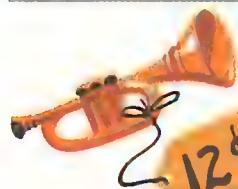
16¢



18¢



10¢



12¢



You put together. You add.

1. Jane has 2 white cats.

She has 2 black cats.

How many cats has she? _____

White cats →

Black cats →

Cats in all →

2. John has 3 planes.

Dick has 2 planes.

How many have they together? _____

John's planes →

Dick's planes →

Planes together

3. Add.

$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$$

You find how many are left. You subtract.

1. Betty had 3 dolls.

She broke one.

How many dolls are left? _____

Betty had →

She broke →

Left →

2. Bobby had 6 ducks.

He gave away three.

How many are left? _____

Bobby had →

He gave away →

Left →

3. Subtract.

$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$$

Do you add? Do you subtract?



1. Bobby has a goat and 3 cats.

How many pets has he? ____

Add 1
Subtract +3

2. Jean had 5¢. She spent 2¢.

How many cents are left? ____

Add 5
Subtract -2

3. Jack had 4¢. Then he found 1¢.

How many cents had he then? ____

Add
Subtract

4. Bill had 6 planes. He broke 2.

How many had he then? ____

Add
Subtract

5. Dick had 5 apples. He ate 3.

How many were left? ____

Add
Subtract


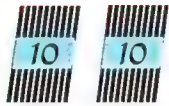
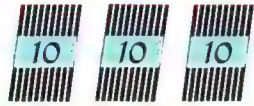
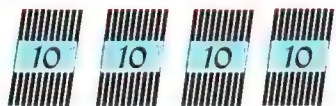

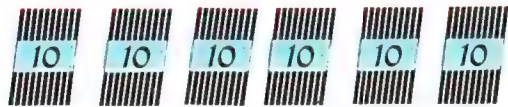

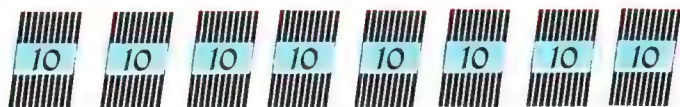

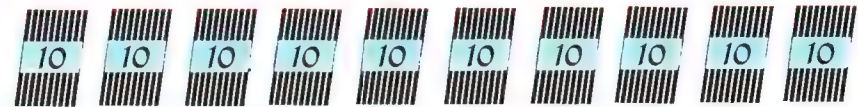
6.
$$\begin{array}{r} 3 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 1 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 2 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 4 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

Count the sticks by tens. Write the number.

<u> 1 </u> ten		10
<u> 2 </u> tens		20
<u> </u> tens		30
<u> </u> tens		40
<u> </u> tens		50
<u> </u> tens		60
<u> </u> tens		70
<u> </u> tens		80
<u> </u> tens		90
<u> </u> tens		100

1.



1 ten 2 ones

12

2.



___ tens ___ ones

3.



___ tens ___ one

4.



___ tens ___ ones

5.



___ tens ___ ones

6.



___ ten ___ ones

7.



3 tens 0 ones

30

8.



___ tens ___ ones

9.

2 tens 2 ones

10.

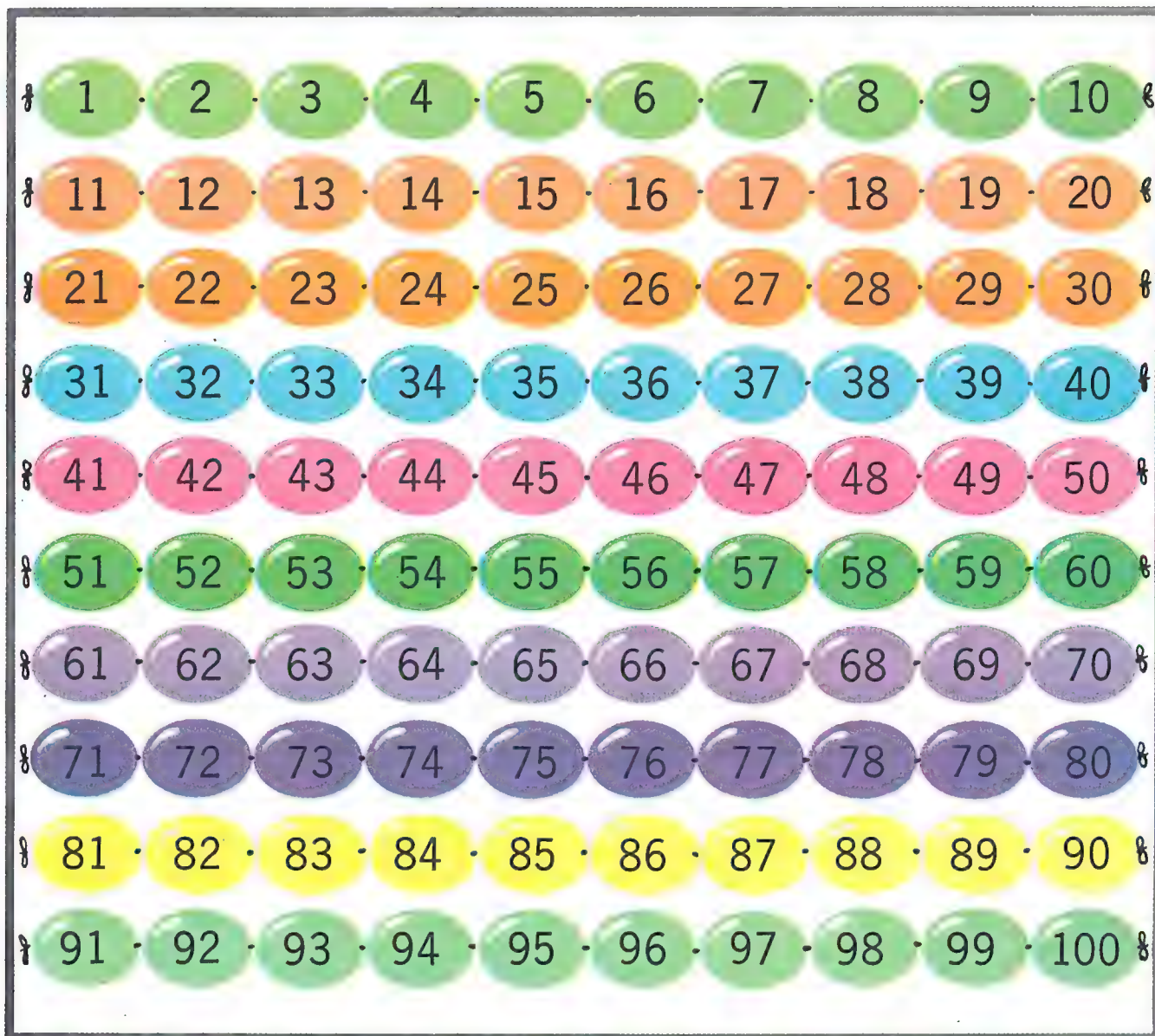
3 tens 3 ones

11.

6 tens 0 ones

12.

6 tens 3 ones



1. On 1 row, ____ beads
- On 2 rows, ____ beads
2. On 3 rows, ____ beads
- On 4 rows, ____ beads

3. Count the beads by 10's.

10 20 _____

4. 50 is 5 tens.
70 is ____ tens.
5. 54 is ____ tens and ____ ones.
76 is ____ tens and ____ ones.

1	2		4		6	7		9	10
11		13			16		18		20
21		23					28		30
31			34		36				40
		43		45			48		50
	52		54			57			
61		63		65			68		
		73			76				80
	82		84				88		90
			94			97		99	

17 18

24 25

38 39

56 57

23 25

46 48

65 67

79 81

 50 51

 92 93

 20 21

 75 76



20 and 3 are 23.

10 and 5 are 15.

75 is 70 and ____.

20 and 4 are 24.

84 is 80 and ____.

40 and 6 are 46.

19 is 10 and ____.

70 and 9 are 79.

67 is 60 and ____.

1 more than 66 is ____.

1 more than 75 is ____.

1 more than 72 is ____.

1 more than 32 is ____.

1 more than 27 is ____.

1 more than 59 is ____.

1 less than 39 is ____.

1 less than 41 is ____.

1 less than 46 is ____.

1 less than 55 is ____.

1 less than 90 is ____.

1 less than 73 is ____.

Cross out the smaller number.

21	12	67	76	80	79	35	42
19	91	54	45	29	92	58	51



Dimes

2

Pennies

3

23¢



24¢



42¢



51¢



24¢



51¢

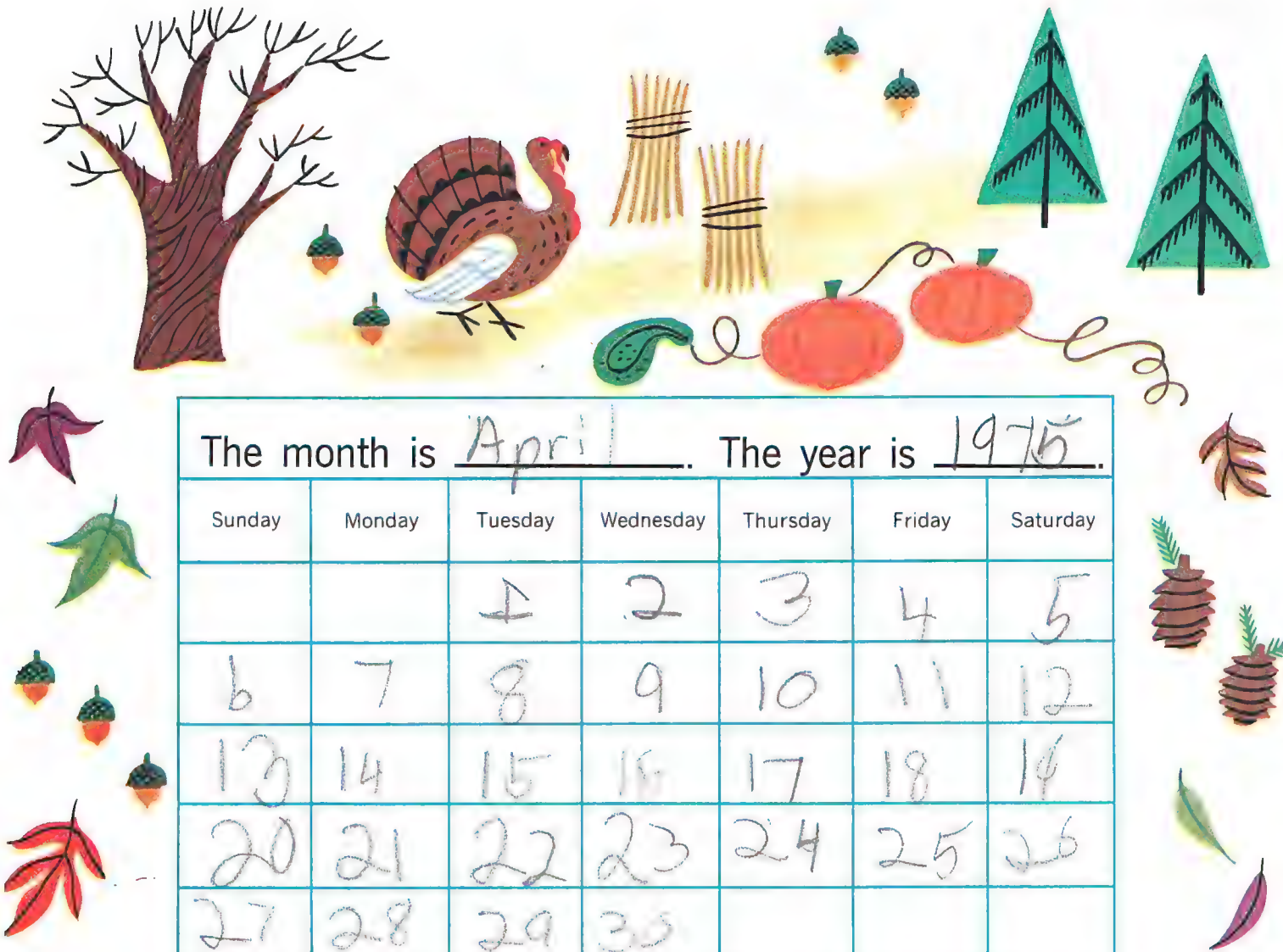


33¢



25¢





Draw a line around the answer.

1. Is today Wednesday?

Yes

No

2. Will tomorrow be Friday?

Yes

No

3. Was yesterday Monday?

Yes

No

4. Which is longer?

a day

a week

a month

a week

a day

a month



Draw a line around the answer.

1. How much does Bill weigh?

40 pounds

50 pounds

2. How much does Ann weigh?

40 pounds

50 pounds

3. Who is heavier?

Ann

Bill

4. Which might weigh a pound?

a book

a bicycle

5. Which is sold by the pound?

candy

eggs

butter

milk

meat

ice cream

6. About how much do your shoes weigh?

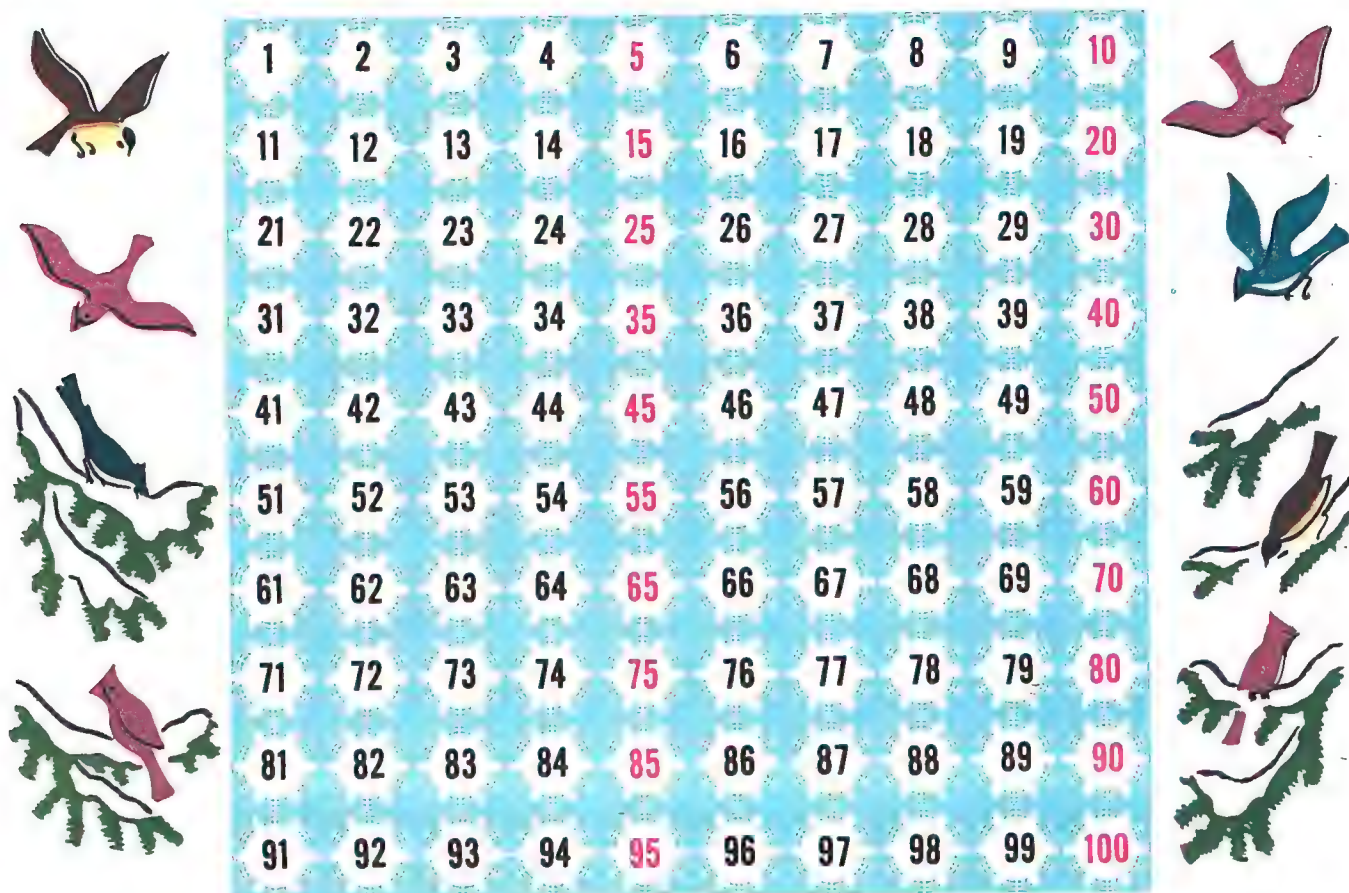
1 pound

10 pounds

7. About how much do you weigh?

5 pounds

50 pounds



1. Count by 10's.

10 20 _____

2. Count by 5's.



5 10 15 20 _____

Count by 5's.

3. 5 10 15 _____

_____ 100

4. 45 50 _____ 90

Do you remember?

Draw a line around the right number.

1 one	two	2	3	4
2 two	one	3	1	2
3 three	four	5	3	4
4 four	six	5	6	7
5 five	three	3	2	4
6 six	nine	8	9	10
7 seven	five	3	4	5
8 eight	ten	9	10	8
9 nine	seven	7	8	9
10 ten	eight	9	8	10

Write the number.

one

three

five

seven

nine

two

four

six

eight

ten

Draw a ring around the right word:



six seven



five four



eight nine



six seven



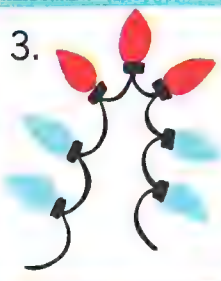
five six

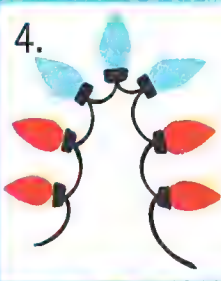


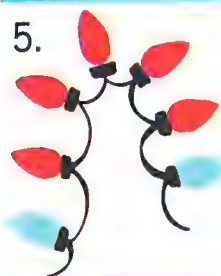
eight nine

1.  7 lights
 _____ blue lights
 _____ red light

2.  _____ lights
 _____ blue lights
 _____ red lights

3.  _____ lights
 _____ blue lights
 _____ red lights

4.  _____ lights
 _____ blue lights
 _____ red lights

5.  _____ lights
 _____ blue lights
 _____ red lights

6.  _____ lights
 _____ blue light
 _____ red lights



See 7.

7 is 6 and _____.

7 is 1 and _____.



See _____.

7 is 5 and _____.

7 is 2 and _____.



See _____.

7 is 4 and _____.

7 is 3 and _____.





4 and 3 are ____ 7 take away 4 is ____

3 and 4 are ____ 7 take away 3 is ____



5 and 2 are ____ 7 take away 5 is ____

2 and 5 are ____ 7 take away 2 is ____



6 and 1 are ____ 7 take away 6 is ____

1 and 6 are ____ 7 take away 1 is ____

$3 + 4 = 7$ says 3 and 4 are 7.

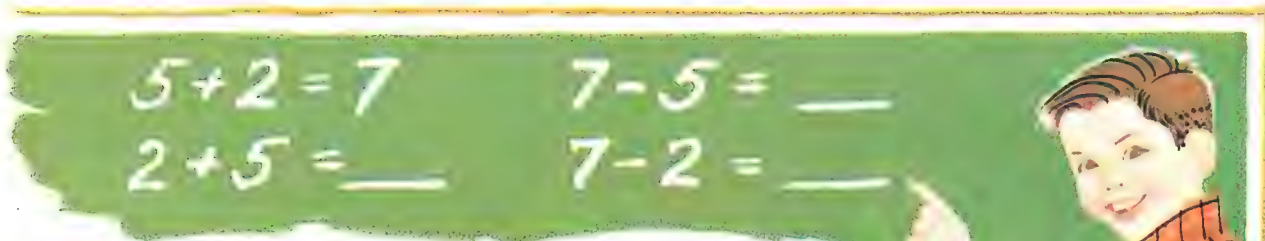
$7 - 3 = 4$ says 7 take away 3 is 4.

$5 + 2 = \underline{\quad}$ $4 + 3 = \underline{\quad}$ $6 + 1 = \underline{\quad}$

$2 + 5 = \underline{\quad}$ $3 + 4 = \underline{\quad}$ $1 + 6 = \underline{\quad}$

$7 - 5 = \underline{\quad}$ $7 - 4 = \underline{\quad}$ $7 - 6 = \underline{\quad}$

$7 - 2 = \underline{\quad}$ $7 - 3 = \underline{\quad}$ $7 - 1 = \underline{\quad}$



Ted knows the answers. Do you?

1. Write 4 facts about 3, 4, and 7.

$$\underline{3} + \underline{4} = \underline{7}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{7} - \underline{4} = \underline{3}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

2. Write 4 facts about 6, 1, and 7.

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

3. $\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$

$$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$$
 $\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$

4. $\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$

$$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$$
 $\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$

5. $\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$

$$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$$
 $\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$

6. $7 - 1 = \underline{\quad}$ $7 - 4 = \underline{\quad}$ $1 + 6 = \underline{\quad}$ $4 + 3 = \underline{\quad}$

7. $6 - 4 = \underline{\quad}$ $5 - 2 = \underline{\quad}$ $2 + 5 = \underline{\quad}$ $1 + 4 = \underline{\quad}$

8. $7 - 3 = \underline{\quad}$ $7 - 6 = \underline{\quad}$ $3 + 4 = \underline{\quad}$ $6 + 1 = \underline{\quad}$

9. $7 - 2 = \underline{\quad}$ $7 - 5 = \underline{\quad}$ $5 + 1 = \underline{\quad}$ $5 + 2 = \underline{\quad}$

10. $4 - 3 = \underline{\quad}$ $6 - 3 = \underline{\quad}$ $2 + 4 = \underline{\quad}$ $2 + 3 = \underline{\quad}$

Will you add? Will you subtract?

1. Joe had a nickel.

He found 2 cents.

How much had he then? 8¢

Add $\begin{array}{r} 5\text{¢} \\ +2\text{¢} \\ \hline 7\text{¢} \end{array}$

Subtract

2. Jane has a nickel.

She buys a 3-cent stamp.

How many cents are left? 3¢

Add $\begin{array}{r} 5\text{¢} \\ -3\text{¢} \\ \hline 2\text{¢} \end{array}$

Subtract

3. Ann ate 3 of her 7 candies.

How many are left? 4

Add $\begin{array}{r} 7 \\ -3 \\ \hline 4 \end{array}$

Subtract

4. Jack lost 2 of his 7 marbles.

How many had he then? 5

Add $\begin{array}{r} 7 \\ -2 \\ \hline 5 \end{array}$

Subtract

5. Betty had 6 dresses.

Then she got a new dress.

How many had she then? 7

Add $\begin{array}{r} 6 \\ +1 \\ \hline 7 \end{array}$

Subtract

6. Dick has 7 cents.

He spends a nickel.

How many cents are left? 2¢

Add $\begin{array}{r} 7\text{¢} \\ -5\text{¢} \\ \hline 2\text{¢} \end{array}$

Subtract



1. 4 boys and 3 girls go to a party.

How many children go? ____

Add

Subtract

2. The children had 7 candy canes.

They ate 5.

How many were left? ____

Add

Subtract

3. They had 5 red hats.

They had 2 blue hats.

How many hats had they? ____

Add

Subtract

4. They had 6 red balloons.

They had 1 blue balloon.

How many balloons had they? ____

Add

Subtract

5. They had 7 kites.

John broke 1 kite.

How many were left? ____

Add

Subtract

1. Add. Use counters when you need to.

$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$$

2. Subtract. Use counters when you need to.

$$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ - 5 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 6 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ - 7 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ - 1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 5 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$$

Write the numbers:

3. $\frac{10}{\quad}$ $\frac{20}{\quad}$ $\frac{30}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{100}{\quad}$

4. $\frac{5}{\quad}$ $\frac{10}{\quad}$ $\frac{15}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{50}{\quad}$

5. $\frac{2}{\quad}$ $\frac{4}{\quad}$ $\frac{6}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{20}{\quad}$

6. $\frac{15}{\quad}$ $\frac{16}{\quad}$ $\frac{17}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{\quad}{\quad}$ $\frac{24}{\quad}$

7. Which is larger? 87 78 Write it. $\frac{\quad}{\quad}$

8. A nickel is $\frac{\quad}{\quad}$ cents.

9. A dime is $\frac{\quad}{\quad}$ cents.

10. 4 tens are $\frac{\quad}{\quad}$.

11. 3 tens and 2 ones are $\frac{\quad}{\quad}$.

12. 5 dimes and 6 cents are $\frac{\quad}{\quad}$.

13. Which has one half red?

Draw a line around it.



14. Bill had 7¢.

He spent 4¢.

How much was left? $\frac{\quad}{\quad}$.

15. Jane had 4 books.

She got 2 more.

Then she had $\frac{\quad}{\quad}$ books.

16. This clock says:

half past $\frac{\quad}{\quad}$.



Inches and feet

1. The clown in the picture is ____ inches tall.

2. This page is about ____ inches long.

It is about ____ inches wide.

3. How long is your ruler? ____ inches

4. Jack's ruler is 12 inches long.

Jack's ruler is 1 foot long.

$$12 \text{ inches} = 1 \text{ foot}$$

Is your ruler 12 inches long? ____

Is your ruler 1 foot long? ____

5. Is this page 1 foot long? ____

6. Is your shoe 1 foot long? ____

Draw a line around the answers.

7. Which of these could be about 1 foot long?

a dollar bill a towel rack a baseball bat

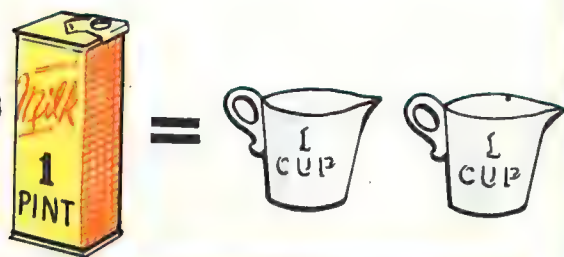
8. Which of these could be about 1 foot wide?

your bed a boy's belt a paper napkin

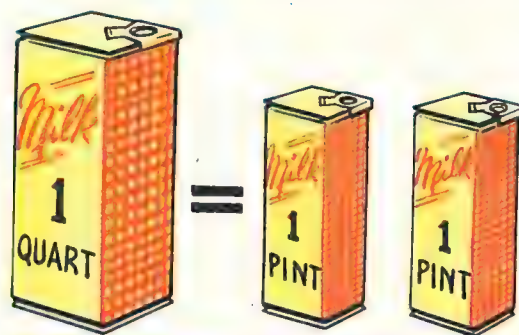
9. Which of these could be about 12 inches high?

a baby kitten a cereal box your bedroom door





1 pint = 2 cups



1 quart = 2 pints

Which is more? Draw a line around it.

- | | | | | | |
|----|---------|---------|----|----------|---------|
| 1. | 1 quart | 1 pint | 4. | 2 quarts | 2 pints |
| 2. | 1 pint | 1 quart | 5. | 1 quart | 3 pints |
| 3. | 2 cups | 2 pints | 6. | 1 pint | 3 cups |

- | | | | |
|----|---|-----|----|
| 7. | Will a quart of milk fill 2 pint bottles? | Yes | No |
| 8. | Will a pint of milk fill 2 quart bottles? | Yes | No |
| 9. | Will a pint of milk fill 2 cups? | Yes | No |

1.



See 8.

8 is 7 and ____.

8 is 1 and ____.

2.



See ____.

8 is 6 and ____.

8 is 2 and ____.

3.



See ____.

8 is 5 and ____.

8 is 3 and ____.

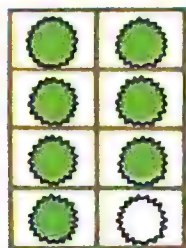
4.



See ____.

8 is 4 and ____.

5.

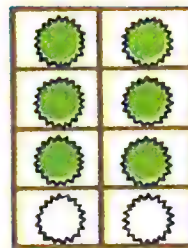


8 cakes

7 are green.

Make 1 red.

6.

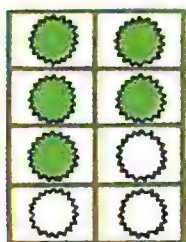


8 cakes

____ are green.

Make 2 red.

7.

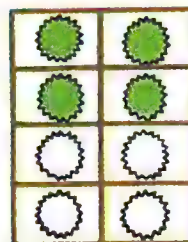


8 cakes

____ are green.

Make 3 red.

8.



8 cakes

____ are green.

Make 4 red.



1. Jane has 4 big dolls.
 She has 4 little dolls.
 4 and 4 are ____.

2. Cover 4 big dolls.
 Now you see ____ dolls.
 8 take away 4 is ____.

3. ____ dolls are sitting.
 ____ dolls are standing.
 5 and 3 are ____.
 3 and 5 are ____.

4. Cover 3 dolls.
 Now you see ____ dolls.
 8 take away 3 is ____.
 8 take away 5 is ____.

5. ____ dolls have hats.
 ____ dolls have no hats.
 2 and 6 are ____.
 6 and 2 are ____.

6. Cover 2 dolls.
 Now you see ____ dolls.
 8 take away 2 is ____.
 8 take away 6 is ____.

7. ____ doll talks.
 ____ dolls do not talk.
 1 and 7 are ____.
 7 and 1 are ____.

8. Cover 1 doll.
 Now you see ____ dolls.
 8 take away 1 is ____.
 8 take away 7 is ____.



LOLLIPOPS RED GREEN



Sue wants 8 lollipops.

Write the numbers to make 8.

2 red 4 green 6 red 3 red
 ____ green ____ red ____ green ____ green

5 red 7 green 1 green 8 red
 ____ green ____ red ____ red ____ green

× × × × × × × ×

☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆

● ● ● ● ● ● ● ●

$$7 + 1 = \underline{\quad}$$

$$1 + 7 = \underline{\quad}$$

$$8 - 1 = \underline{\quad}$$

$$8 - 7 = \underline{\quad}$$

$$6 + 2 = \underline{\quad}$$

$$2 + 6 = \underline{\quad}$$

$$8 - 2 = \underline{\quad}$$

$$8 - 6 = \underline{\quad}$$

$$5 + 3 = \underline{\quad}$$

$$3 + 5 = \underline{\quad}$$

$$8 - 3 = \underline{\quad}$$

$$8 - 5 = \underline{\quad}$$

$$\begin{array}{r} 7 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$$

Do you add? Do you subtract?

1. 8 apples were on a tree.
4 fell off.
How many are left? ____

Add

Subtract

2. John had 3 cents.
He found a nickel.
How much did he have then? ____

Add

Subtract

3. Joe is 7 years old.
Sue is 1 year older than Joe.
How old is Sue? ____

Add

Subtract

4. Mary bought 8 cakes.
She ate 2.
How many are left? ____

Add

Subtract

$8 - 1 = \underline{\quad}$

$8 - 4 = \underline{\quad}$

$6 - 4 = \underline{\quad}$

$8 - 5 = \underline{\quad}$

$7 - 3 = \underline{\quad}$

$8 - 2 = \underline{\quad}$

$8 - 5 = \underline{\quad}$

$7 - 5 = \underline{\quad}$

$7 - 2 = \underline{\quad}$

$8 - 8 = \underline{\quad}$

$8 - 6 = \underline{\quad}$

$8 - 7 = \underline{\quad}$

$1 + 7 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$2 + 5 = \underline{\quad}$

$3 + 5 = \underline{\quad}$

$3 + 4 = \underline{\quad}$

$2 + 6 = \underline{\quad}$

$5 + 3 = \underline{\quad}$

$3 + 3 = \underline{\quad}$


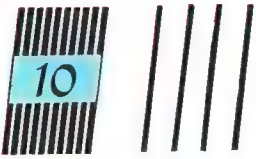
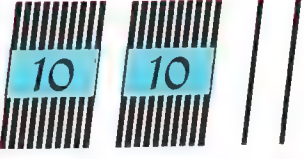

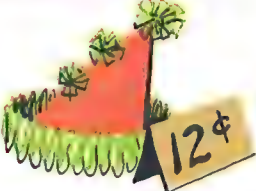
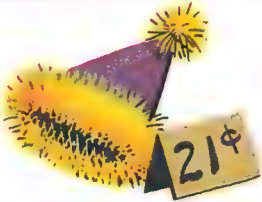


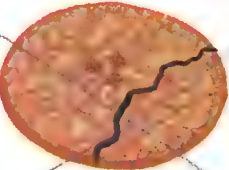








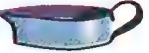



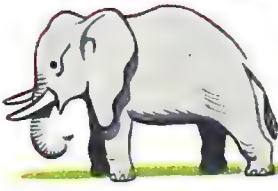

$2 + 3 = \underline{\quad}$

$7 + 1 = \underline{\quad}$

$6 + 2 = \underline{\quad}$

$4 + 3 = \underline{\quad}$

Test 3

1. 14			
2. 			
3. 			
4. 			
5. 710	170	17	70
6. 3 tens 4 ones	34	43	31
7. 			
8. 			

Test 4

1.

70

68

71

79

2.

31

13

29

32

3.

$$\begin{array}{r} 5 \\ + 3 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 5 \\ - 3 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 3 \\ + 5 \\ \hline 8 \end{array}$$

4.

$$\begin{array}{r} 4 \\ + 3 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 4 \\ - 3 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 7 \\ - 4 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 5 \\ + 2 \\ \hline 7 \end{array}$$

5.

3

2

4

5

6.

$$5 + 3 = 8$$

$$3 + 5 = 8$$

$$8 - 3 = 5$$

$$5 - 8 = 3$$

7.

May 2

May 4

May 10

May 13

8.

91

100

80

9 tens

1.



See 9.

9 is 8 and ____.

9 is 1 and ____.

2.



See ____.

9 is 7 and ____.

9 is 2 and ____.

3.



See ____.

9 is 6 and ____.

9 is 3 and ____.

4.



See ____.

9 is 5 and ____.

9 is 4 and ____.

5.



9 dots

8 are red.

Make 1 green.

6.

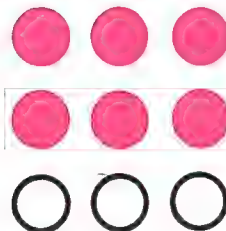


9 dots

____ are red.

Make 2 green.

7.

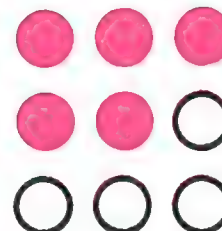


9 dots

____ are red.

Make 3 green.

8.



9 dots

____ are red.

Make 4 green.



1. 8 red hearts
1 pink heart
 hearts in all

$$8 + 1 = \underline{\quad\quad} \quad 1 + 8 = \underline{\quad\quad}$$

$$9 - 1 = \underline{\quad\quad} \quad 9 - 8 = \underline{\quad\quad}$$



2. 7 red cards
2 pink cards
 cards in all

$$7 + 2 = \underline{\quad\quad} \quad 2 + 7 = \underline{\quad\quad}$$

$$9 - 2 = \underline{\quad\quad} \quad 9 - 7 = \underline{\quad\quad}$$



3. 6 red hats
 pink hats
 hats in all

$$6 + 3 = \underline{\quad\quad} \quad 3 + 6 = \underline{\quad\quad}$$

$$9 - 3 = \underline{\quad\quad} \quad 9 - 6 = \underline{\quad\quad}$$



4. 5 red cakes
 pink cakes
 cakes in all

$$5 + 4 = \underline{\quad\quad} \quad 4 + 5 = \underline{\quad\quad}$$

$$9 - 4 = \underline{\quad\quad} \quad 9 - 5 = \underline{\quad\quad}$$

5. $4 + 4 = 8$, so $5 + 4 = \underline{\quad\quad}$

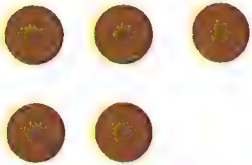
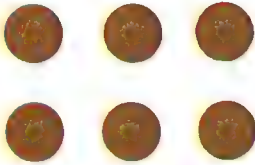


$1 + 7 = 8$, so $1 + 8 = \underline{\quad\quad}$

6. $5 + 3 = 8$, so $6 + 3 = \underline{\quad\quad}$

$6 + 2 = 8$, so $7 + 2 = \underline{\quad\quad}$

Draw more to make 9.

Then write 2 addition facts for each picture.

 $\begin{array}{r} 5 \\ + 4 \\ \hline 9 \end{array}$	 $\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$
 $\begin{array}{r} \\ \\ \hline \end{array}$	 $\begin{array}{r} \\ \\ \hline \end{array}$



Subtract. Cover crosses. Show how many are left.

1. Take 1 from 9. ____ left.

2. Take 4 from 9. ____ left.

3. Take 8 from 9. ____ left.

4. Take 2 from 9. ____ left.

5. Take 5 from 9. ____ left.

6. Take 6 from 9. ____ left.

7. Take 9 from 9. ____ left.

8. Take 3 from 9. ____ left.

9. Take 7 from 9. ____ left.

10. Take 4 from 9. ____ left.

Do you add? Do you subtract?

1. John had 9 marbles.

He lost 3.

How many are left? ____

Add

Subtract

2. Dick had 4 cents.

His mother gave him a nickel.

How much had he then? ____

Add

Subtract

3. Ted had 9¢.

He spent 4¢.

How much had he then? ____

Add

Subtract

4. Bill has 6¢.

Ann has 3¢ more than Bill.

How many cents has Ann? ____

Add

Subtract

5. Tom had 9 nuts.

He ate 2 nuts.

How many had he then? ____

Add

Subtract

6. Add.

$$\begin{array}{r} 6 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +1 \\ \hline \end{array}$$

7. Subtract.

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

Adding three numbers



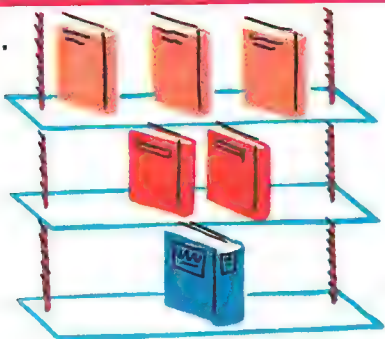
1 bell
2 bells
5 bells
8 bells

Jim says:

1 and 2 are 3,
and 5 more are 8.
I have 8 bells.

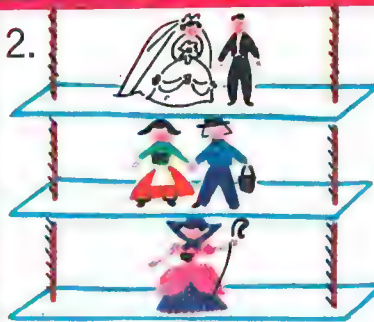


1.



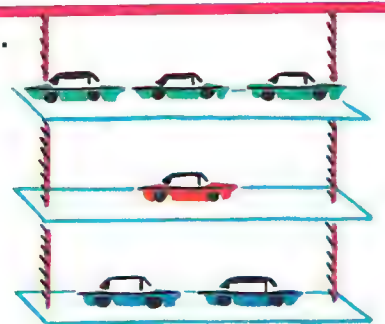
3 books
2 books
1 book
___ books

2.



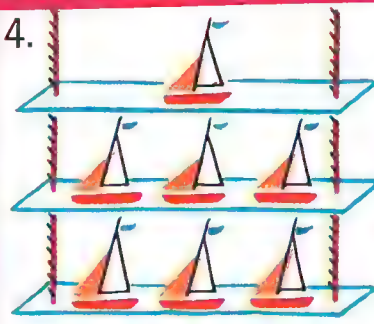
2 dolls
2 dolls
1 doll
___ dolls

3.



3 cars
1 car
2 cars
___ cars

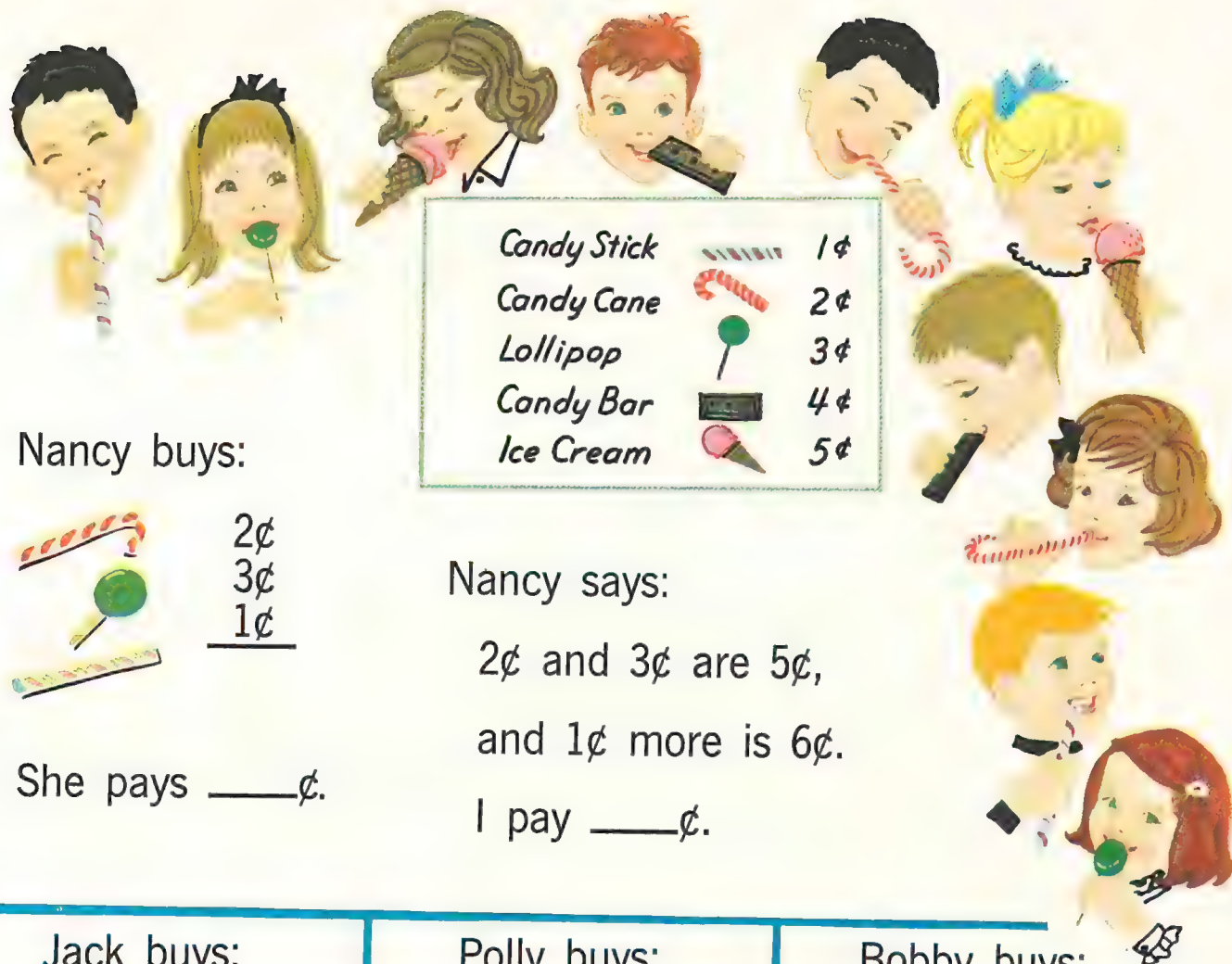
4.



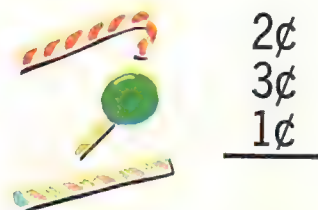
1 boat
3 boats
3 boats
___ boats

Add. Start at the top.

2	4	3	2	3	2	5	1	2
1	1	1	1	3	2	1	6	3
<u>3</u>	<u>1</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>



Nancy buys:



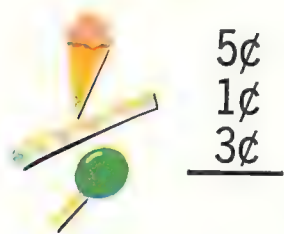
She pays ____¢.

Nancy says:

2¢ and 3¢ are 5¢,
and 1¢ more is 6¢.

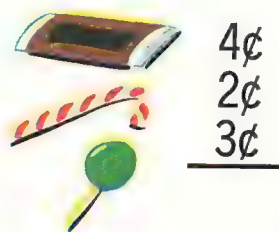
I pay ____¢.

Jack buys:



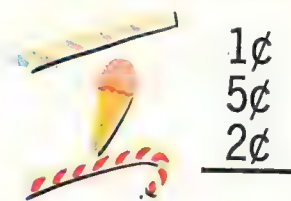
He pays ____¢.

Polly buys:



She pays ____¢.

Bobby buys:



He pays ____¢.

Add. Start at the top.

1¢	2¢	1¢	4¢	1¢	1¢	2¢	1¢	3¢
5¢	2¢	4¢	3¢	3¢	2¢	1¢	3¢	2¢
<u>2¢</u>	<u>1¢</u>	<u>2¢</u>	<u>1¢</u>	<u>4¢</u>	<u>5¢</u>	<u>4¢</u>	<u>3¢</u>	<u>3¢</u>

Finding the other number



1. Here are 6 ducks.

4 are Joe's. The others are Bill's.

Cover Joe's 4 ducks.

How many ducks has Bill? ____

$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$



2. Here are 7 boats.

3 are new. The others are old.

Cover 3 new boats.

How many old boats are there? ____

$$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$$



3. Here are 8 boys.

5 can swim. The others can not.

Cover 5 boys who swim.

How many can not swim? ____

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$



4. Here are 9 girls.

6 can swim. The others can not.

Cover 6 girls who swim.

How many can not swim? ____

$$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$$



Here are 6 eggs.

Some are Joe's. Some are Ann's.

If 3 are Joe's, how many are Ann's? _____ $6 - 3 =$ _____

If 4 are Joe's, how many are Ann's? _____ $6 - 4 =$ _____

If 1 is Ann's, how many are Joe's? _____ $6 - 1 =$ _____



Here are 7 flowers.

Some are paper. Some are real.

If 3 are paper, how many are real? _____ $7 - 3 =$ _____

If 2 are paper, how many are real? _____ $7 - 2 =$ _____

If 6 are real, how many are paper? _____ $7 - 6 =$ _____



Here are 8 marbles.

Some are Dick's. Some are Bob's.

If 1 is Dick's, how many are Bob's? _____ $8 - 1 =$ _____

If 3 are Dick's, how many are Bob's? _____ $8 - 3 =$ _____

If 2 are Bob's, how many are Dick's? _____ $8 - 2 =$ _____

If 4 are Bob's, how many are Dick's? _____ $8 - 4 =$ _____

Do you add? Do you subtract?

1. Jim made 5 planes. Dick made 2.
Together they made ____ planes.

2. Pat had 5 dolls. She broke 2.
She has ____ dolls left.

3. Tim had 6 apples. He ate 2.
Then he had ____ apples.

4. Jane had 3¢. She earned 2¢ more.
She found another cent.
Then she had ____¢.

Add 5
Subtract + 2

Add
Subtract

Add
Subtract

Add
Subtract

5.

$$4 + 1 = \underline{\quad}$$

$$1 + 4 = \underline{\quad}$$

$$5 - 4 = \underline{\quad}$$

$$5 - 1 = \underline{\quad}$$

6.

$$3 + 1 = \underline{\quad}$$

$$1 + 3 = \underline{\quad}$$

$$4 - 3 = \underline{\quad}$$

$$4 - 1 = \underline{\quad}$$

7.

$$4 + 2 = \underline{\quad}$$

$$2 + 4 = \underline{\quad}$$

$$6 - 2 = \underline{\quad}$$

$$6 - 4 = \underline{\quad}$$

8.

$$3 + 2 = \underline{\quad}$$

$$2 + 3 = \underline{\quad}$$

$$5 - 3 = \underline{\quad}$$

$$5 - 2 = \underline{\quad}$$

9.

$$4 + 3 = \underline{\quad}$$

$$3 + 4 = \underline{\quad}$$

$$7 - 3 = \underline{\quad}$$

$$7 - 4 = \underline{\quad}$$

10.

$$5 + 1 = \underline{\quad}$$

$$1 + 5 = \underline{\quad}$$

$$6 - 1 = \underline{\quad}$$

$$6 - 5 = \underline{\quad}$$

Do you add? Do you subtract?

1. Tom had 7 balloons. He broke 2.
Then he had ____ balloons.

Add $\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$
Subtract

2. 9 children are playing. 5 are boys.
There are ____ girls.

Add
Subtract

3. Sam has a nickel and 2 cents.
In all he has ____ cents.

Add
Subtract

4. Bill has 9 planes. Six are big.
The others are little.
He has ____ little planes.

Add
Subtract



5. $5 + 3 = \underline{\quad}$
 $3 + 5 = \underline{\quad}$
 $8 - 3 = \underline{\quad}$
 $8 - 5 = \underline{\quad}$



6. $5 + 4 = \underline{\quad}$
 $4 + 5 = \underline{\quad}$
 $9 - 5 = \underline{\quad}$
 $9 - 4 = \underline{\quad}$



7. $5 + 2 = \underline{\quad}$
 $2 + 5 = \underline{\quad}$
 $7 - 2 = \underline{\quad}$
 $7 - 5 = \underline{\quad}$



8. $6 + 3 = \underline{\quad}$
 $3 + 6 = \underline{\quad}$
 $9 - 6 = \underline{\quad}$
 $9 - 3 = \underline{\quad}$



9. $6 + 2 = \underline{\quad}$
 $2 + 6 = \underline{\quad}$
 $8 - 2 = \underline{\quad}$
 $8 - 6 = \underline{\quad}$



10. $7 + 2 = \underline{\quad}$
 $2 + 7 = \underline{\quad}$
 $9 - 7 = \underline{\quad}$
 $9 - 2 = \underline{\quad}$



See 10.

10 is 9 and ____.

10 is 1 and ____.



See ____.

10 is 8 and ____.

10 is 2 and ____.



See ____.

10 is 7 and ____.

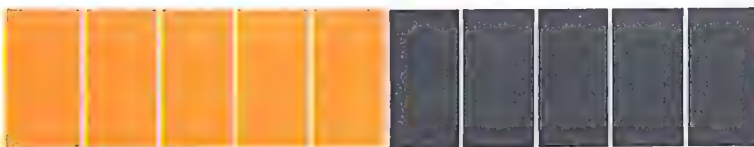
10 is 3 and ____.



See ____.

10 is 6 and ____.

10 is 4 and ____.



See ____.

10 is 5 and ____.

8 and 2 are 10, so 2 and 8 are ____.

6 and 4 are 10, so 4 and 6 are ____.

10 take away 3 is 7, so 10 take away 7 is ____.

10 take away 1 is 9, so 10 take away 9 is ____.

1. 9 green trees

1 red tree

10 trees in all



$$9 + 1 = \underline{\quad} \quad 1 + 9 = \underline{\quad} \quad 10 - 1 = \underline{\quad} \quad 10 - 9 = \underline{\quad}$$

2. 8 red cherries

2 green cherries

 cherries in all



$$8 + 2 = \underline{\quad} \quad 2 + 8 = \underline{\quad} \quad 10 - 2 = \underline{\quad} \quad 10 - 8 = \underline{\quad}$$

3. 7 brown hatchets

3 red hatchets

 hatchets in all



$$7 + 3 = \underline{\quad} \quad 3 + 7 = \underline{\quad} \quad 10 - 3 = \underline{\quad} \quad 10 - 7 = \underline{\quad}$$

4. 6 black hats

4 brown hats

 hats in all



$$6 + 4 = \underline{\quad} \quad 4 + 6 = \underline{\quad} \quad 10 - 4 = \underline{\quad} \quad 10 - 6 = \underline{\quad}$$

5. 5 white horses

5 brown horses

 horses in all



$$5 + 5 = \underline{\quad} \quad 10 - 5 = \underline{\quad}$$

6.

$$3 + 7 = \underline{\quad}, \text{ so } 7 + 3 = \underline{\quad}$$

$$1 + 9 = \underline{\quad}, \text{ so } 9 + 1 = \underline{\quad}$$

$$8 + 2 = \underline{\quad}, \text{ so } 2 + 8 = \underline{\quad}$$

7.

$$10 - 1 = \underline{\quad}, \text{ so } 10 - 9 = \underline{\quad}$$

$$10 - 3 = \underline{\quad}, \text{ so } 10 - 7 = \underline{\quad}$$

$$10 - 8 = \underline{\quad}, \text{ so } 10 - 2 = \underline{\quad}$$



Balloons

1. Bill wants 10 balloons.

He can buy:

6 blue and ____ red

3 green and ____ blue

1 blue and ____ red

2 red and ____ blue

5 green and ____ blue

2 red, 2 green, ____ blue

4 green, 4 red, ____ blue

5 green, 4 red, ____ blue

4 blue, 6 red, ____ green

2. $8 + 2 = 10$, so $2 + 8 = \underline{\quad}$

3. $4 + 5 = 9$, so $5 + 5 = \underline{\quad}$

4. $7 + 3 = 10$, so $3 + 7 = \underline{\quad}$

5. $7 + 3 = 10$, so $10 - 3 = \underline{\quad}$

6. $4 + 6 = 10$, so $6 + 4 = \underline{\quad}$

7. $2 + 8 = 10$, so $10 - 8 = \underline{\quad}$

8. $1 + 9 = 10$, so $9 + 1 = \underline{\quad}$

9. $7 + 2 = 9$, so $7 + 3 = \underline{\quad}$

10. $10 - 1 = 9$, so $10 - 9 = \underline{\quad}$

11. $10 - 4 = 6$, so $10 - 6 = \underline{\quad}$

12. $10 - 2 = 8$, so $10 - 3 = \underline{\quad}$

13. $10 - 2 = 8$, so $10 - 8 = \underline{\quad}$

14. $10 - 3 = 7$, so $10 - 7 = \underline{\quad}$

15. $10 - 3 = 7$, so $10 - 2 = \underline{\quad}$

Do you add? Do you subtract?

1. Sue has 8 black hens.

She has 2 white hens.

How many hens has she? ____

Add $\begin{array}{r} 8 \\ + 2 \\ \hline \end{array}$
Subtract

2. Joe has 5 pennies.

He earned a nickel.

How much had he then? ____

Add

Subtract

3. Mary has 10 dresses.

Six are old. The others are new.

How many new dresses has she? ____

Add

Subtract

4. Jim had a rope 10 inches long.

He cut off 2 inches.

How long was the rope then? ____

Add

Subtract

5. Ann is 6 years old.

Joe is 2 years older than Ann.

How old is Joe? ____

Add

Subtract

6. Add.

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + 6 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + 7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ + 9 \\ \hline \end{array}$$

7. Subtract.

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ - 4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ - 5 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ - 9 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ - 6 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ - 5 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ - 7 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ - 8 \\ \hline \end{array}$$

Getting change




2¢




Ann has a nickel. She buys a pencil for 2¢.

Her change: $5¢ - 2¢ = \underline{3}¢$

1.
Tom buys an  for 3¢.
He gives a nickel.


Change: $5¢ - 3¢ = \underline{\quad}¢$.

2.
Jane buys  for 4¢.
She gives a nickel.


Change: $5¢ - 4¢ = \underline{\quad}¢$.


3.
Nancy buys  for 9¢.
She gives a dime.


Change: $10¢ - 9¢ = \underline{\quad}¢$.


4.
Mary buys a  for 3¢.
She gives a nickel.

Change: $\underline{\quad}¢ - \underline{\quad}¢ = \underline{\quad}¢$.

5.
John buys a  for 6¢.
He gives a dime.
His change:

6.
Sue buys a  for 7¢.
She gives a dime.
Her change:

7.
Ted buys an  for 2¢.
He gives a dime.
His change:

8.
Jack buys  for 5¢.
He gives a dime.
His change:



1¢

cent



5¢

nickel



10¢

dime



25¢

quarter



50¢

half dollar



100¢

dollar

\$1.00

Draw a line around the right word.



You pay

a nickel

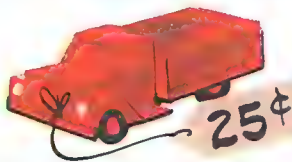
a dime



You pay

a quarter

a dime



You pay

a quarter

a half dollar



You pay

a quarter

a half dollar



You pay

a half dollar

a dollar



Count the cents by tens.

How many cents? 100

100 cents make a dollar.



How many dimes? 10

10 dimes make a dollar.



How many quarters? 4

4 quarters make a dollar.



How many half dollars? 2

2 half dollars make a dollar.



One dollar = 100 cents.

One dollar = 10 dimes.

One dollar = 2 half dollars.

One dollar = 4 quarters.

Jun. 3

a quarter



25 cents



Count the pennies by 5's.

How many pennies? 25

25 cents = a quarter



How many nickels? 25

5 nickels = a quarter

How much money?

1.



25¢

5.



30¢

2.



25¢

6.



35¢

3.



25¢

7.



31¢

4.



25¢

8.



40¢

a half dollar



50 cents



Count the pennies by 10's.

How many pennies? _____

50 cents = a half dollar



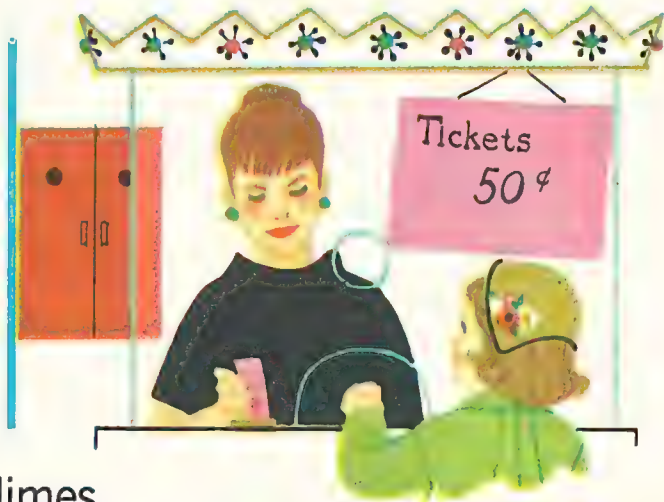
How many quarters? _____

2 quarters = a half dollar

Who can buy a ticket?

Draw a line around the name.

1. Jim has 2 quarters.
2. Betty has 5 dimes.
3. Jane has a half dollar.
4. Mary has 60 pennies.
5. Tom has 1 quarter and 2 dimes.
6. Ann has 1 quarter and 5 nickels.
7. John has 1 quarter and 1 dime.
8. Sue has 3 dimes and 2 nickels.




Do you remember?

- 80 and 5 are _____. 4 dimes and 5 cents are _____ cents.
10 and 7 are _____. 6 dimes and 2 cents are _____ cents.
- Write the other number story using 10, 7, and 3.

$$7 + 3 = 10$$

$$3 + 7 = 10$$

$$10 - 7 = 3$$

- Is today Tuesday? Yes No
- Do 3 quarters make a dollar? Yes No
- Does this clock show half past four? Yes No
- Is one half of this block red?  Yes No



- Ann had 2¢.
She found a nickel.
Then she had _____¢.

- Ted had a dime.
He spent 6¢.
His change was _____¢.

- Jack has 9 pennies.
Three are new.
_____ are old.

- Sue spent 4¢,
3¢, and 2¢.
She spent _____¢ in all.

$$\begin{array}{r} 11. \quad \begin{array}{r} 2 \\ 3 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ 2 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ 4 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ 8 \\ +1 \\ \hline \end{array} \end{array}$$

$$12. \quad \begin{array}{r} 10 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ -7 \\ \hline \end{array}$$

$$13. \quad 5 + 5 = 10, \text{ so } 4 + 5 = \underline{\quad}$$

$$14. \quad 5 + 3 = 8, \text{ so } 6 + 3 = \underline{\quad}$$

$$15. \quad 2 + 8 = 10, \text{ so } 10 - 8 = \underline{\quad}$$

$$16. \quad 1 + 7 = 8, \text{ so } 7 + 1 = \underline{\quad}$$

1. Look at your classroom calendar.

The date today is: _____ month _____ day

2. Read the names of the days.

There are _____ days in a week.

Draw a line around the right answer:

3. Sunday comes just before
Monday Tuesday

4. Wednesday comes just before
Friday Thursday

5. Friday comes just before
Monday Saturday

6. Tuesday comes just after
Monday Wednesday

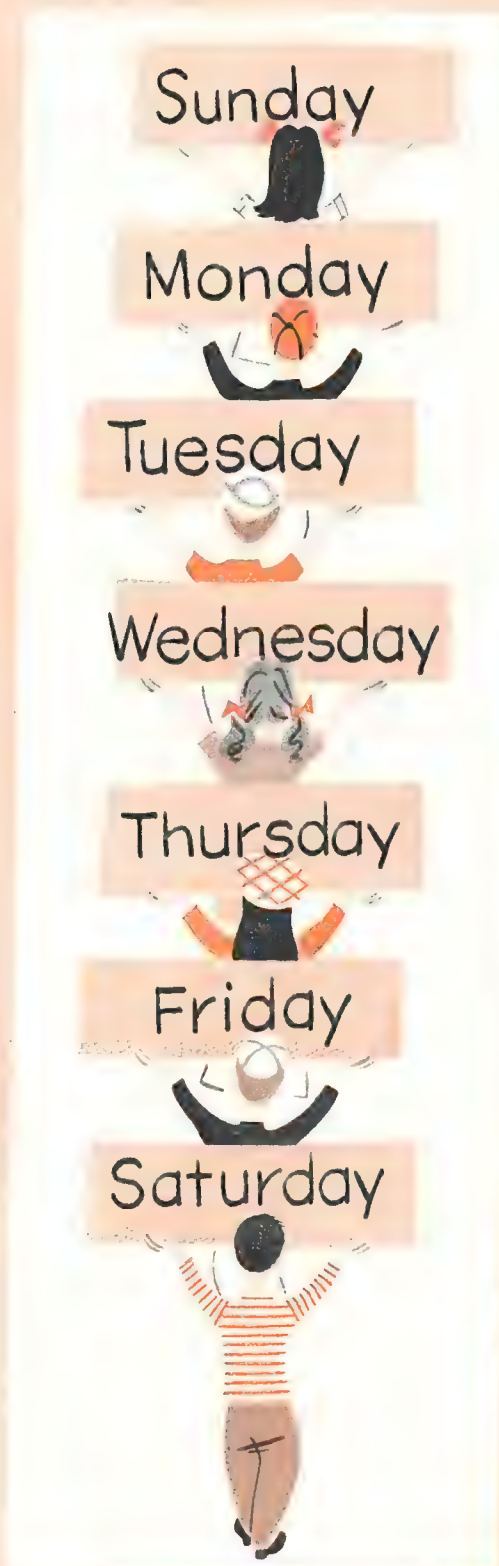
7. Wednesday comes just after
Monday Tuesday

8. Friday comes just after
Saturday Thursday

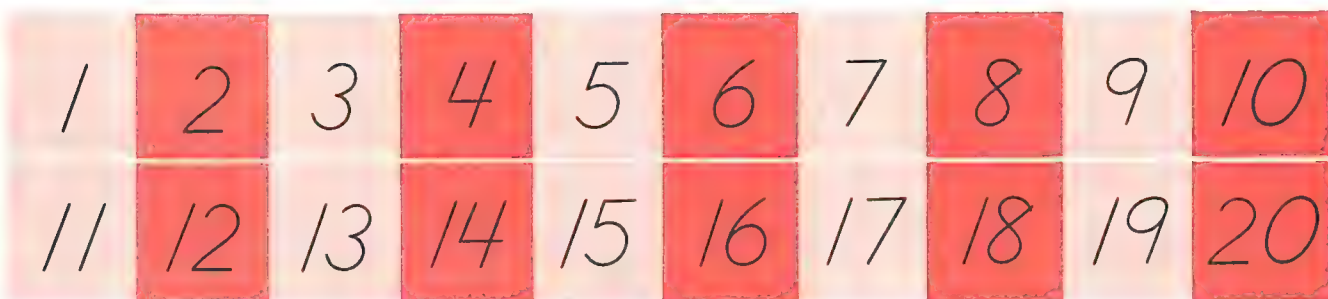
9. Today is _____.

10. Yesterday was _____.

11. Tomorrow will be _____.



1. Count the blocks by 2's.



How many blocks? _____

2. Count by 2's.

2 4 _____

3. Count the boots by 2's.



How many boots? _____

4. Write the missing numbers.

1 2 3 4 5 _____ 7 _____ 9 _____

11 _____ 13 _____ 15 _____ 17 _____ 19 _____

1 2 3 4 _____ 6 _____ 8 _____ 10

_____ 12 _____ 14 _____ 16 _____ 18 _____ 20

Write the missing numbers.

1	2	3		5		7		9	10
11	12		14		16	17	18		20
	22	23		25	26		28	29	
31		33	34		36	37		39	40
41		43		45	46		48		50
	52		54	55		57	58	59	
61		63		65			68	69	
71		73	74		76				80
	82		84	85					90
91	92		94					99	

- Count to 100 by 10's; by 5's; by 2's. Touch the numbers.
- 2 tens = ____ 4 tens = ____ 6 tens = ____ 9 tens = ____
3 tens = ____ 5 tens = ____ 7 tens = ____ 10 tens = ____
- Find the number. Write it.
8 tens and 4 ones = ____ 60 and 5 more = ____
4 tens and 8 ones = ____ 70 and 2 more = ____

More than 100

This picture shows

10 pennies in each row.

1. The gray box shows one way to count the pennies.

Count them that way.

There are 20 tens.

2. The green box shows another way to count.

Count the pennies that way.

110 is 1 hundred 10.

120 is 1 hundred 20.

200 is 2 hundred.

3. 120 is 100 and 20 more.

140 is 100 and _____ more.

160 is 100 and _____ more.

190 is 100 and _____ more.

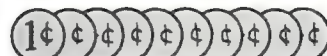
4. Count by 10's to 200. Touch each number below as you say it.

10	20	30	40	50	60	70	80	90	100
110	120	130	140	150	160	170	180	190	200

100



1 ten 10



2 tens 20



3 tens 30



4 tens 40



5 tens 50



6 tens 60



7 tens 70



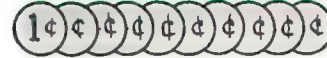
8 tens 80



9 tens 90



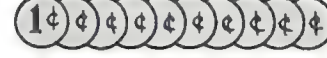
10 tens 100



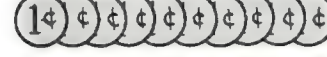
11 tens 110



12 tens 120



13 tens 130



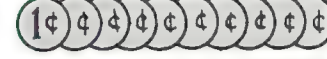
14 tens 140



15 tens 150



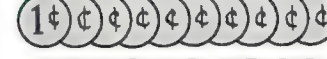
16 tens 160



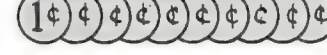
17 tens 170



18 tens 180



19 tens 190



20 tens 200

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

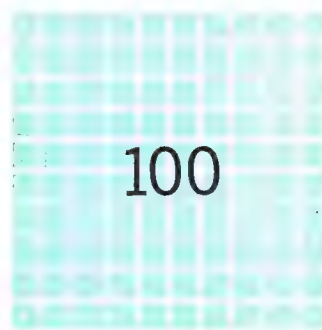
1. Count by 10's. Put red dots on the numbers.
2. Count by 5's. Put blue dots on the numbers.
3. Count by 2's. Put green dots on the numbers.
4. 120 121 127.
5. 138 139 145.
6. 157 158 164.

1.



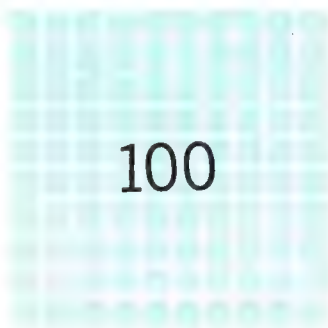
are

100



10 tens are 1 hundred.

2.



100



Hundreds	Tens	Ones
/	2	3

The number is 123.

1 hundred

2 tens

3 ones

3.



100



Hundreds	Tens	Ones
/	3	4

The number is _____

1 hundred

3 tens

4 ones

4. Draw a line around the larger number.

123

134

134

153

175

157

113

131

129

192

181

118

1. Write the missing numbers:

127 = 1 hundred, 2 tens, 7 ones

148 = _____ hundred, _____ tens, _____ ones

163 = _____ hundred, _____ tens, _____ ones

186 = _____ hundred, _____ tens, _____ ones

104 = _____ hundred, _____ tens, _____ ones

160 = _____ hundred, _____ tens, _____ ones

2. Write the number that has:

1 hundred, 5 tens, 3 ones _____

1 hundred, 4 tens, 8 ones _____

1 hundred, 6 tens, 1 one _____

1 hundred, 8 tens, 8 ones _____

1 hundred, 0 tens, 5 ones _____

1 hundred, 6 tens, 0 ones _____

3. Write the number:

1 more than 172 _____ 10 more than 90 _____

1 more than 184 _____ 10 more than 190 _____

1 more than 156 _____ 10 more than 120 _____

1 more than 109 _____ 10 more than 160 _____

1 more than 100 _____ 10 more than 100 _____

Adding on (Optional)



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50



1. Count by 10's: 10 20 _____

2. Count by 5's: 15 20 25 _____

3. Count by 2's: 14 16 _____

4. 4 and 2 are ____.

5. 6 and 2 are ____.

6. 5 and 3 are ____.

14 and 2 are ____.

16 and 2 are ____.

25 and 3 are ____.

24 and 2 are ____.

26 and 2 are ____.

35 and 3 are ____.

34 and 2 are ____.

36 and 2 are ____.

45 and 3 are ____.

7. 4 and 5 are ____.

8. 2 and 5 are ____.

9. 8 and 2 are ____.

14 and 5 are ____.

12 and 5 are ____.

18 and 2 are ____.

24 and 5 are ____.

32 and 5 are ____.

28 and 2 are ____.

44 and 5 are ____.

42 and 5 are ____.

38 and 2 are ____.

How many more are needed?

Jack wants to buy a ball for 5 cents.

He has only 3 cents.

Cover the 3 cents he has.



You can see he needs ____ cents more.

$$\begin{array}{r} 5\text{¢} \\ - 3\text{¢} \\ \hline \text{¢} \end{array}$$

$$5\text{¢} - 3\text{¢} = \underline{2}\text{¢}$$

Sue wants 8 candles on her cake.

She has only 6 candles.

She needs ____ more candles.

$$8 - 6 = \underline{\quad}$$



$$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$$

Dan has 6 balloons.

He has strings for 4 of them.

He needs ____ more strings.

$$6 - 4 = \underline{\quad}$$



$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$

Ed wants to buy a toy for 10 cents.

He has only 6 cents.

Cover his 6 cents.

He needs ____ cents more.



$$\begin{array}{r} 10\text{¢} \\ - 6\text{¢} \\ \hline \text{¢} \end{array}$$

$$10\text{¢} - 6\text{¢} = \underline{\quad}\text{¢}$$

They need more. They subtract.

1.

Tom wants a kite for 8¢.

He has 5¢.

He needs ____¢ more.

$$8¢ - 5¢ = \text{____}¢$$

2.

A top costs 10¢.

Joe has 7¢.

He needs ____¢ more.

$$10¢ - 7¢ = \text{____}¢$$

3.

Ann wrote 6 letters.

She has 4 stamps.

She needs ____ more stamps.

4.

Bill wants a book for 10¢.

He has 8¢.

He needs ____¢ more.

5.

Sue has 10 dolls.

She has 3 doll dresses.

She needs ____ more dresses.

6.

Ted has 4¢.

He wants a cone for 10¢.

He needs ____¢ more.

$$7. \quad 3 - 2 = \text{____}$$

$$2 + \text{____} = 3$$

$$8. \quad 5 - 4 = \text{____}$$

$$4 + \text{____} = 5$$

$$9. \quad 5 - 3 = \text{____}$$

$$3 + \text{____} = 5$$

$$10. \quad 6 - 4 = \text{____}$$

$$4 + \text{____} = 6$$

$$11. \quad 6 - 5 = \text{____}$$

$$5 + \text{____} = 6$$

$$12. \quad 7 - 4 = \text{____}$$

$$4 + \text{____} = 7$$

$$13. \quad 7 - 5 = \text{____}$$

$$5 + \text{____} = 7$$

$$14. \quad 8 - 6 = \text{____}$$

$$6 + \text{____} = 8$$

$$15. \quad 10 - 7 = \text{____}$$

$$7 + \text{____} = 10$$



1. John saw 7 pigs.

2 pigs were white. The others were black.

How many black pigs did he see? ____

Add 7

Subtract 2

2. There are 8 big cows.

There are 2 little cows.

How many cows are there? ____

Add

Subtract

3. There are 9 horses.

2 are black. The others are white.

How many white horses are there? ____

Add

Subtract

4. Joe saw 5 red hens.

He saw 5 black hens.

How many hens did he see? ____

Add

Subtract

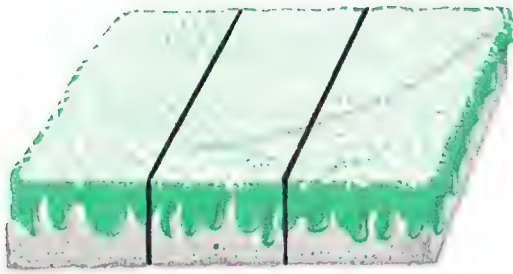
5. There are 10 rabbits.

7 are Bill's. The others are Sue's.

How many rabbits has Sue? ____

Add

Subtract

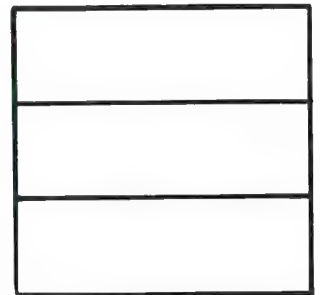
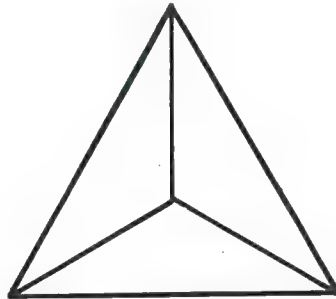
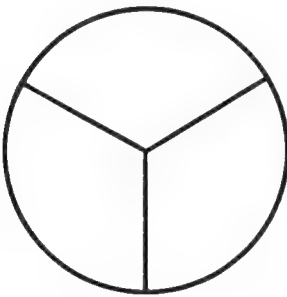


How many pieces? ____

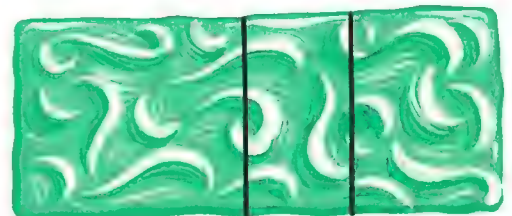
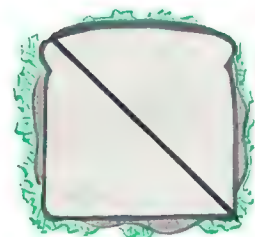
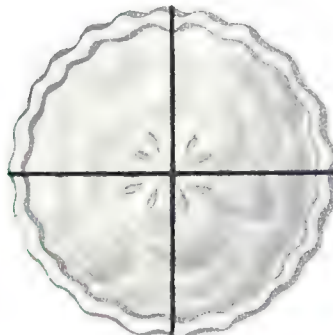
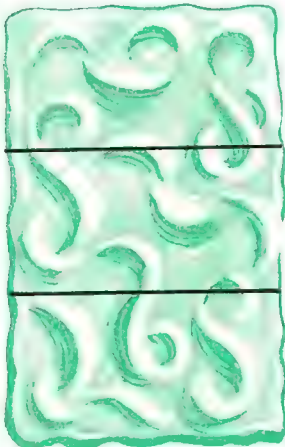
Are the pieces the same size? ____

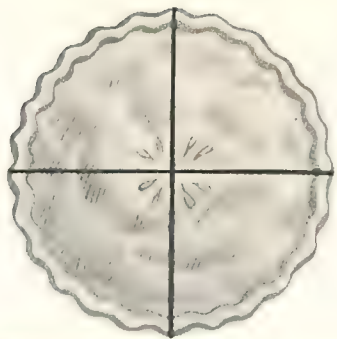
Each piece is one third.

Color one third red. Color one third green. Color one third blue.



Draw a line around each thing that shows thirds.



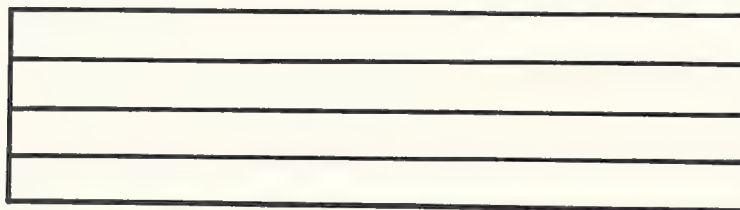
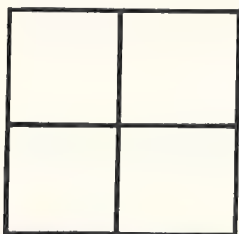
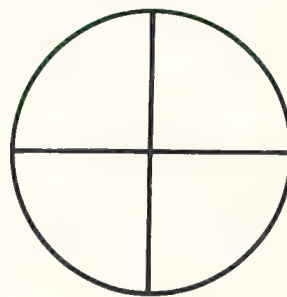
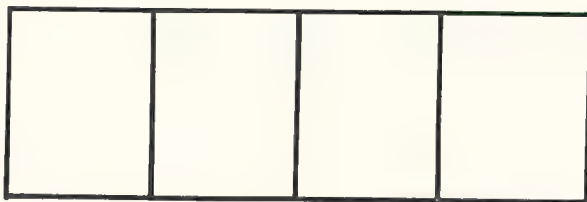
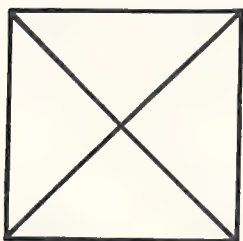


How many pieces? ____

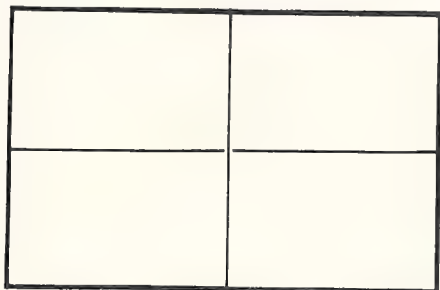
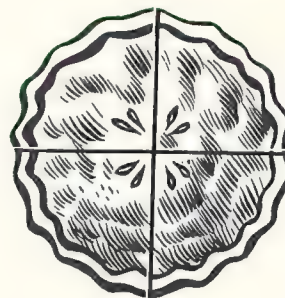
Are the pieces the same size? ____

Each piece is one fourth.

Color one fourth of each picture.



Color each thing cut in fourths.



Do you add? Do you subtract?

1. Ted's fish is 8 inches long.
Ann's fish is 5 inches long.
Whose fish is longer? ____
How much longer? ____ inches

Add

Subtract



2. Dick saw 9 birds.
6 were blue. The others were red.
How many were red? ____

Add

Subtract

3. Jane ate 3 of her 7 apples.
How many are left? ____

Add

Subtract

4. Joan had a nickel and 2¢.
How much had she? ____

Add

Subtract

5. Betty has a dime.
She buys a 7-cent cone.
How much change does she get? ____

Add

Subtract

6. Peter has 3 red, 2 blue, and
4 green pencils.
How many pencils has he? ____

Add

Subtract

Do you remember?

1. Pat's birthday is between May 15 and May 18.

Draw a ring around the day that could be Pat's birthday:

May 14

May 19

May 17

May 13


2. Draw a ring around the one that will buy most:

1 quarter

3 dimes

4 nickels

3. Is today Monday? _____

4.  Is one fourth of this colored? _____

5. A half dollar = _____¢.

6. Does this clock say half-past nine? _____



7. Mary has 9¢. She wants to buy a doll for 10¢.

She needs _____¢ more.

8. 20 22 24 _____ 34 _____

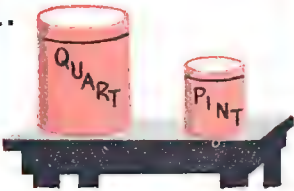

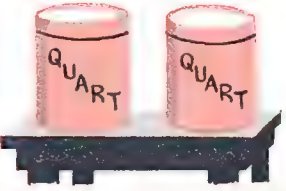






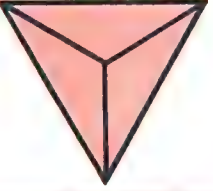


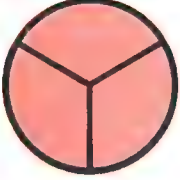


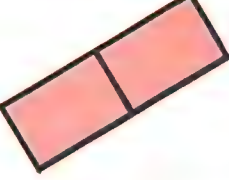
9. 25 30 35 _____ 55 _____

10. 101 102 103 _____ 110

11. 153 is _____ hundreds, _____ tens, and _____ ones.

12. 100 is 10 tens, so 130 = _____ tens.

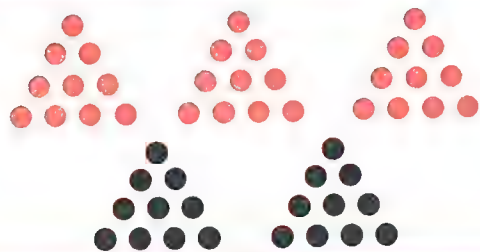
Test 5

1.				
2.	8¢	6¢	2¢	3¢
3.	5 dimes	100 cents	4 quarters	2 half dollars
4.				
5.	9 inches	1 foot	12 inches	13 inches
6.				
7.				
8.	180	140	184	148

Test 6

1.	$\begin{array}{r} 8 \\ - 2 \\ \hline 6 \end{array}$	$\begin{array}{r} 8 \\ - 6 \\ \hline 2 \end{array}$	$\begin{array}{r} 2 \\ + 8 \\ \hline 10 \end{array}$	$\begin{array}{r} 2 \\ + 6 \\ \hline 8 \end{array}$
2.	$\begin{array}{r} 3\text{¢} \\ 3\text{¢} \\ 3\text{¢} \\ \hline 9\text{¢} \end{array}$	$\begin{array}{r} 3\text{¢} \\ 3\text{¢} \\ \hline 6\text{¢} \end{array}$	$\begin{array}{r} 2\text{¢} \\ 2\text{¢} \\ 2\text{¢} \\ \hline 6\text{¢} \end{array}$	$\begin{array}{r} 2\text{¢} \\ 2\text{¢} \\ \hline 4\text{¢} \end{array}$
3.	$4 + 5 = 9$	$5 + 4 = 9$	$4 - 9 = 5$	$9 - 5 = 4$
4.	3	4	5	2
5.	110	101	111	10010
6.	19	91	119	191
7.	$\begin{array}{r} 10\text{¢} \\ - 4\text{¢} \\ \hline 6\text{¢} \end{array}$	$\begin{array}{r} 10\text{¢} \\ - 6\text{¢} \\ \hline 4\text{¢} \end{array}$	$\begin{array}{r} 6\text{¢} \\ + 4\text{¢} \\ \hline 10\text{¢} \end{array}$	$\begin{array}{r} 6\text{¢} \\ - 4\text{¢} \\ \hline 2\text{¢} \end{array}$
8.	27¢	28¢	53¢	35¢

Adding Tens



1. 10 dots in each group

There are 3 red tens.

There are black tens.

There are tens in all.

2. 3 tens + 2 tens = tens

3. 4 tens + 3 tens = tens

4. 5 tens + 4 tens = tens

5. 5 tens = 50 9 tens =

7 tens = 8 tens =

6.
$$\begin{array}{r} 5 \\ + 2 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 5 \text{ tens} \\ + 2 \text{ tens} \\ \hline 7 \text{ tens} \end{array}$$

$$\begin{array}{r} 50 \\ + 20 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \text{ tens} \\ + 4 \text{ tens} \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ + 40 \\ \hline \end{array}$$

 tens

8.
$$\begin{array}{r} 5 \text{ tens} \\ + 2 \text{ tens} \\ \hline 7 \text{ tens} \end{array}$$

$$\begin{array}{r} 30 \\ + 60 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 3 \text{ tens} \\ + 6 \text{ tens} \\ \hline 9 \text{ tens} \end{array}$$

$$\begin{array}{r} 50 \\ + 20 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 4 \text{ tens} \\ + 3 \text{ tens} \\ \hline 7 \text{ tens} \end{array}$$

$$\begin{array}{r} 70 \\ + 30 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 7 \text{ tens} \\ + 3 \text{ tens} \\ \hline 10 \text{ tens} \end{array}$$

$$\begin{array}{r} 40 \\ + 30 \\ \hline 70 \end{array}$$

9.
$$\begin{array}{r} 20 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ + 10 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 40 \\ + 50 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 70 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 20 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 40 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 50 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 40 \\ \hline \end{array}$$

12. Jane had 20 pins.

She got 40 more.

Now she has .



Adding Dimes

1. Joe had 3 dimes.

He found 2 more dimes.

Then he had ____ dimes.



5 dimes = ____ cents

Joe had ____¢.

$$\begin{array}{r} 3 \text{ dimes} \\ + 2 \text{ dimes} \\ \hline \end{array} \qquad \begin{array}{r} 30\text{¢} \\ + 20\text{¢} \\ \hline \end{array}$$

____ dimes ____¢

3. 4 dimes = ____ cents

7 dimes = ____ cents

10 dimes = ____ cents

4. Jane had 30¢.

She earned 40¢ more.

Then Jane had ____¢.



$$\begin{array}{r} 3 \text{ dimes} \\ + 4 \text{ dimes} \\ \hline \end{array} \qquad \begin{array}{r} 30\text{¢} \\ + 40\text{¢} \\ \hline \end{array}$$

____ dimes ____¢

$$\begin{array}{r} 5 \text{ dimes} \\ + 3 \text{ dimes} \\ \hline \end{array} \qquad \begin{array}{r} 50\text{¢} \\ + 30\text{¢} \\ \hline \end{array}$$

____ dimes ____¢

$$\begin{array}{r} 1 \text{ dime} \\ + 8 \text{ dimes} \\ \hline \end{array} \qquad \begin{array}{r} 10\text{¢} \\ + 80\text{¢} \\ \hline \end{array}$$

____ dimes ____¢

$$\begin{array}{r} 3 \text{ dimes} \\ + 6 \text{ dimes} \\ \hline \end{array} \qquad \begin{array}{r} 30\text{¢} \\ + 60\text{¢} \\ \hline \end{array}$$

____ dimes ____¢

$$\begin{array}{r} 20\text{¢} \\ + 40\text{¢} \\ \hline \end{array} \qquad \begin{array}{r} 60\text{¢} \\ + 20\text{¢} \\ \hline \end{array} \qquad \begin{array}{r} 30\text{¢} \\ + 50\text{¢} \\ \hline \end{array}$$

____¢ ____¢ ____¢

$$\begin{array}{r} 30\text{¢} \\ + 30\text{¢} \\ \hline \end{array} \qquad \begin{array}{r} 40\text{¢} \\ + 30\text{¢} \\ \hline \end{array} \qquad \begin{array}{r} 20\text{¢} \\ + 70\text{¢} \\ \hline \end{array}$$

____¢ ____¢ ____¢

10. Tom has a half dollar. 50 ¢

He has 3 dimes. → 30 ¢

In all, he has → ____¢

Subtracting Tens



1. 10 dots in each group

There are ____ tens in all

4 tens = ____

2. Cover 1 ten.

There are ____ tens left.

4 tens - 1 ten = ____ tens

40 - 10 = ____

3. Cover 2 tens.

There are ____ tens left.

4 tens - 2 tens = ____ tens

40 - 20 = ____

4. Cover 3 tens.

There is ____ ten left.

4 tens - 3 tens = ____ ten

40 - 30 = ____

5. $\begin{array}{r} 4 \text{ tens} \\ - 1 \text{ ten} \\ \hline \end{array}$ $\begin{array}{r} 4 \text{ tens} \\ - 2 \text{ tens} \\ \hline \end{array}$ $\begin{array}{r} 4 \text{ tens} \\ - 3 \text{ tens} \\ \hline \end{array}$

____ tens ____ tens ____ tens

6. $\begin{array}{r} 5 \text{ tens} \\ - 2 \text{ tens} \\ \hline 3 \text{ tens} \end{array}$ $\begin{array}{r} 80 \\ - 50 \\ \hline 30 \end{array}$

$\begin{array}{r} 7 \text{ tens} \\ - 4 \text{ tens} \\ \hline 3 \text{ tens} \end{array}$ $\begin{array}{r} 50 \\ - 20 \\ \hline 30 \end{array}$

$\begin{array}{r} 8 \text{ tens} \\ - 5 \text{ tens} \\ \hline 3 \text{ tens} \end{array}$ $\begin{array}{r} 70 \\ - 40 \\ \hline 30 \end{array}$

7. $\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$ $\begin{array}{r} 9 \text{ tens} \\ - 5 \text{ tens} \\ \hline \end{array}$ $\begin{array}{r} 90 \\ - 50 \\ \hline \end{array}$

____ tens

8. $\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$ $\begin{array}{r} 8 \text{ tens} \\ - 2 \text{ tens} \\ \hline \end{array}$ $\begin{array}{r} 80 \\ - 20 \\ \hline \end{array}$

____ tens

9. $\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$ $\begin{array}{r} 8 \text{ tens} \\ - 4 \text{ tens} \\ \hline \end{array}$ $\begin{array}{r} 80 \\ - 40 \\ \hline \end{array}$

____ tens

10. $\begin{array}{r} 90 \\ - 30 \\ \hline \end{array}$ $\begin{array}{r} 60 \\ - 40 \\ \hline \end{array}$ $\begin{array}{r} 50 \\ - 10 \\ \hline \end{array}$ $\begin{array}{r} 80 \\ - 60 \\ \hline \end{array}$

11. $\begin{array}{r} 70 \\ - 20 \\ \hline \end{array}$ $\begin{array}{r} 40 \\ - 10 \\ \hline \end{array}$ $\begin{array}{r} 30 \\ - 20 \\ \hline \end{array}$ $\begin{array}{r} 90 \\ - 50 \\ \hline \end{array}$

Subtracting Dimes

1. Pat had 5 dimes.

She lost 2 dimes.

She has _____ dimes left.



$$\begin{array}{r} 5 \text{ dimes} \\ - 2 \text{ dimes} \\ \hline \end{array} \quad \begin{array}{r} 50\text{¢} \\ - 20\text{¢} \\ \hline \end{array}$$

_____ dimes _____¢

2. Jim had 7 dimes.

He spent 4 dimes.

He had _____ dimes left.

$$\begin{array}{r} 7 \text{ dimes} \\ - 4 \text{ dimes} \\ \hline \end{array} \quad \begin{array}{r} 70\text{¢} \\ - 40\text{¢} \\ \hline \end{array}$$

_____ dimes _____¢

3. $\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$ $\begin{array}{r} 8 \text{ dimes} \\ - 5 \text{ dimes} \\ \hline \end{array}$ $\begin{array}{r} 80\text{¢} \\ - 50\text{¢} \\ \hline \end{array}$

_____ dimes _____¢

4. $\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 9 \text{ dimes} \\ - 6 \text{ dimes} \\ \hline \end{array}$ $\begin{array}{r} 90\text{¢} \\ - 60\text{¢} \\ \hline \end{array}$

_____ dimes _____¢

5. $\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$ $\begin{array}{r} 6 \text{ dimes} \\ - 4 \text{ dimes} \\ \hline \end{array}$ $\begin{array}{r} 60\text{¢} \\ - 40\text{¢} \\ \hline \end{array}$

_____ dimes _____¢

6. Tom had _____ \rightarrow 90¢
He spent _____ \rightarrow 40¢

He had left _____ \rightarrow _____¢

7. Ann had _____ \rightarrow 80¢
She now has _____ \rightarrow 30¢

She spent _____ \rightarrow _____¢

8. Ted needs _____ \rightarrow 60¢
He has only _____ \rightarrow 40¢

He must get _____ \rightarrow _____¢

9. Dick had a half dollar. \rightarrow 50¢
He spent a dime. \rightarrow 10¢

He has left _____ \rightarrow _____¢

10. $\begin{array}{r} 80\text{¢} \\ - 50\text{¢} \\ \hline \end{array}$ $\begin{array}{r} 70\text{¢} \\ - 50\text{¢} \\ \hline \end{array}$ $\begin{array}{r} 90\text{¢} \\ - 40\text{¢} \\ \hline \end{array}$
_____¢ _____¢ _____¢

11. $\begin{array}{r} 90\text{¢} \\ - 60\text{¢} \\ \hline \end{array}$ $\begin{array}{r} 80\text{¢} \\ - 20\text{¢} \\ \hline \end{array}$ $\begin{array}{r} 70\text{¢} \\ - 40\text{¢} \\ \hline \end{array}$
_____¢ _____¢ _____¢

12. $\begin{array}{r} 90\text{¢} \\ - 10\text{¢} \\ \hline \end{array}$ $\begin{array}{r} 90\text{¢} \\ - 20\text{¢} \\ \hline \end{array}$ $\begin{array}{r} 80\text{¢} \\ - 70\text{¢} \\ \hline \end{array}$
_____¢ _____¢ _____¢

How many more?



Nancy has 7 dolls.

She has 5 chairs.

Has she more dolls than chairs?

How many more?

$$7 - 5 = \underline{\quad}$$

Nancy has 10 plates.



She has 7 bowls.



Has she more plates than bowls?

How many more?

$$10 - 7 = \underline{\quad}$$

Nancy has 6 cups.



She has 2 saucers.



Has she more cups than saucers?

How many more?

$$6 - 2 = \underline{\quad}$$

Nancy has 6 straws.



She has 8 glasses.



Has she more glasses than straws?

How many more?

$$8 - 6 = \underline{\quad}$$

1. Ann has 5 dolls.
Jane has 3 dolls.
Ann has _____ dolls more
than Jane.

$$5 - 3 = 2$$

2. Peter has 8¢.
Mary has 6¢.
Peter has _____¢ more
than Mary.

3. Tom has 10¢.
Susan has 5¢.
Tom has _____¢ more
than Susan.

4. Joe's pup is 10 inches tall.
Dan's pup is 8 inches tall.
Joe's pup is _____ inches
taller than Dan's.

5. Jack's boat is 9 inches long.
Betty's boat is 7 inches long.
Jack's boat is _____ inches
longer than Betty's.

6. Jane is 8 years old.
Peter is 7 years old.
Jane is _____ year older
than Peter.

6 is how many more than 5? _____

$$6 - 5 = \underline{\hspace{1cm}}$$

7 is how many more than 3? _____

$$7 - 3 = \underline{\hspace{1cm}}$$

10 is how many more than 8? _____

$$10 - 8 = \underline{\hspace{1cm}}$$

9 is how many more than 6? _____

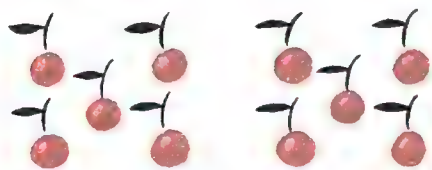
$$9 - 6 = \underline{\hspace{1cm}}$$

8 is how many more than 4? _____

$$8 - 4 = \underline{\hspace{1cm}}$$

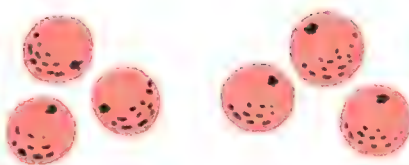
Doubles

We say it in two ways.



$$5 + 5 = 10$$

$$\text{Two } 5\text{'s} = 10$$



$$3 + 3 = \underline{\quad}$$

$$\text{Two } 3\text{'s} = \underline{\quad}$$



$$4 + 4 = \underline{\quad}$$

$$\text{Two } 4\text{'s} = \underline{\quad}$$



$$6 + 6 = \underline{\quad}$$

$$\text{Two } 6\text{'s} = \underline{\quad}$$



$$2 + 2 = \underline{\quad}$$

$$\text{Two } 2\text{'s} = \underline{\quad}$$



$$1 + 1 = \underline{\quad}$$

$$\text{Two } 1\text{'s} = \underline{\quad}$$



$$\begin{array}{ccc} & \text{Two } 5\text{'s} & \\ 6 & 8 & 10 \end{array}$$



$$\begin{array}{ccc} & \text{Two } 4\text{'s} & \\ 6 & 8 & 10 \end{array}$$



$$\begin{array}{ccc} & \text{Two } 2\text{'s} & \\ 2 & 4 & 6 \end{array}$$



$$\begin{array}{ccc} & \text{Two } 6\text{'s} & \\ 8 & 10 & 12 \end{array}$$



$$\begin{array}{ccc} & \text{Two } 3\text{'s} & \\ 6 & 8 & 10 \end{array}$$



$$\begin{array}{ccc} & \text{Two } 1\text{'s} & \\ 1 & 2 & 4 \end{array}$$

$$\begin{array}{r} 4 \\ + 4 \\ \hline 8 \end{array}$$

$$\text{Two } 4\text{'s} = 8$$

$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

$$\text{Two } 3\text{'s} = \underline{\quad}$$

$$\begin{array}{r} 6 \\ + 6 \\ \hline \end{array}$$

$$\text{Two } 6\text{'s} = \underline{\quad}$$

$$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$$

$$\text{Two } 5\text{'s} = \underline{\quad}$$

1.



Buy 1 car. ____¢

Buy 2 cars. ____¢

Two 4's = ____

2.

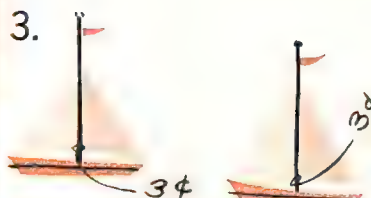


Buy 1 plane. ____¢

Buy 2 planes. ____¢

Two 5's = ____

3.



Buy 1 boat. ____¢

Buy 2 boats. ____¢

Two 3's = ____

4.



Buy 1 star. ____¢

Buy 2 stars. ____¢

Two 2's = ____

5.

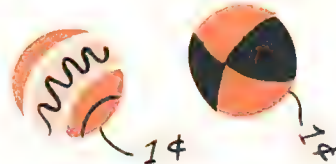


Buy 1 doll. ____¢

Buy 2 dolls. ____¢

Two 6's = ____

6.



Buy 1 ball. ____¢

Buy 2 balls. ____¢

Two 1's = ____

7.



1 car has ____ wheels.

2 cars have ____ wheels.

8.



1 bicycle has ____ wheels.

2 bicycles have ____ wheels.

9.



1 tricycle has ____ wheels.

2 tricycles have ____ wheels.

10.



1 truck has ____ wheels.

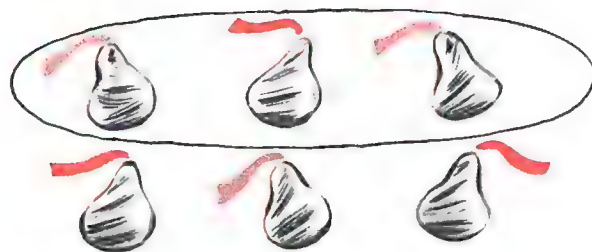
2 trucks have ____ wheels.

1.



How many 2's? ____

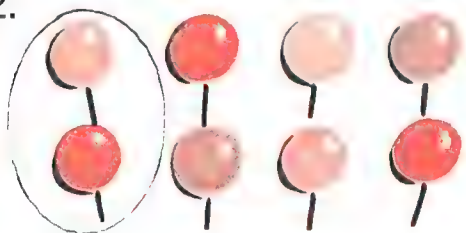
Three 2's are ____.



How many 3's? ____

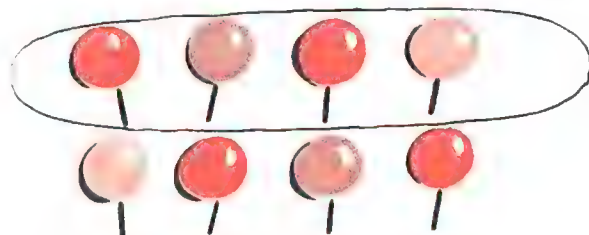
Two 3's are ____.

2.



How many 2's? ____

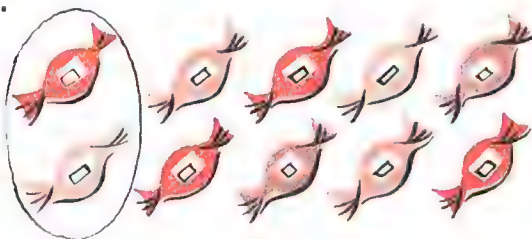
Four 2's are ____.



How many 4's? ____

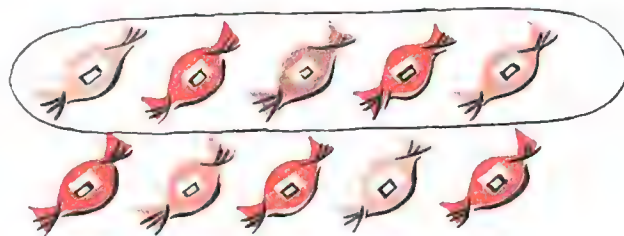
Two 4's are ____.

3.



How many 2's? ____

Five 2's are ____.



How many 5's? ____

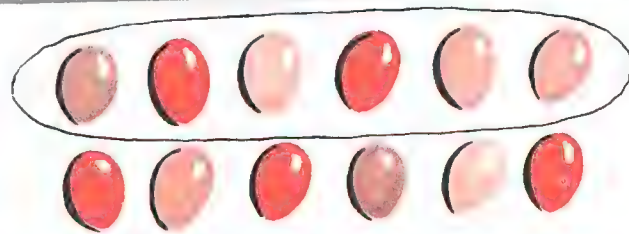
Two 5's are ____.

4.



How many 2's? ____

Six 2's are ____.



How many 6's? ____

Two 6's are ____.

Half of a group

1.



See 8 birds. Two 4's are ____.

Draw a line around half of 8 birds.

Half of 8 is ____.

2.

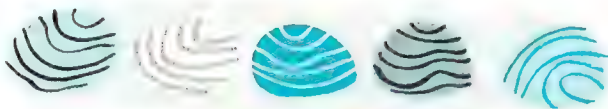


See ____ fish. Two 3's are ____.

Draw a line around half of 6 fish.

Half of 6 is ____.

3.



See ____ shells. Two 5's are ____.

Draw a line around half of 10 shells.

Half of 10 is ____.

4.



See ____ frogs. Two 2's are ____.

Draw a line around half of 4 frogs.

Half of 4 is ____.

5.



See ____ bugs. Two 6's are ____.

Draw a line around half of 12 bugs.

Half of 12 is ____.

1 2 3 4 5 6 7 8 9 10 / 0 green beads / black bead
 // beads in all

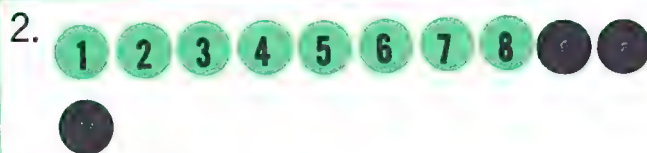


9 green beads 2 black beads

_____ beads in all

$9 + 2 = \underline{\quad}$ $11 - 2 = \underline{\quad}$

$2 + 9 = \underline{\quad}$ $11 - 9 = \underline{\quad}$



8 green beads 3 black beads

_____ beads in all

$8 + 3 = \underline{\quad}$ $11 - 3 = \underline{\quad}$

$3 + 8 = \underline{\quad}$ $11 - 8 = \underline{\quad}$

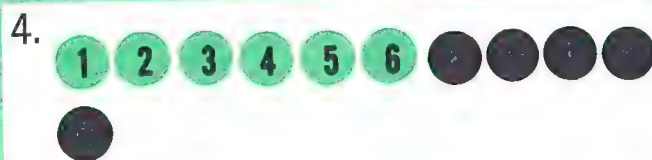


7 green beads 4 black beads

_____ beads in all

$7 + 4 = \underline{\quad}$ $11 - 4 = \underline{\quad}$

$4 + 7 = \underline{\quad}$ $11 - 7 = \underline{\quad}$



6 green beads 5 black beads

_____ beads in all

$6 + 5 = \underline{\quad}$ $11 - 5 = \underline{\quad}$

$5 + 6 = \underline{\quad}$ $11 - 6 = \underline{\quad}$

5. $9 + 1 = 10$, so $9 + 2 = \underline{\quad}$

6. $8 + 2 = 10$, so $8 + 3 = \underline{\quad}$

7. $7 + 3 = 10$, so $7 + 4 = \underline{\quad}$

8. $6 + 4 = 10$, so $6 + 5 = \underline{\quad}$

9.
$$\begin{array}{r} 8 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 7 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 11 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 8 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 11 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 7 \\ \hline \end{array}$$

Using 11



1. Sue buys a horn. \longrightarrow 8¢
 She buys candy. \longrightarrow 3¢
 She pays \longrightarrow

Add Subtract

4. Tom has \longrightarrow 11¢
 He buys a ball. \longrightarrow 5¢
 He has left \longrightarrow

Add Subtract

2. Joe buys a cookie. \longrightarrow 4¢
 He buys a bell. \longrightarrow 7¢
 He pays \longrightarrow

Add Subtract

5. Ann has a dime. \longrightarrow 10¢
 She buys a cookie. \longrightarrow 4¢
 She has left \longrightarrow

Add Subtract

3. Jane buys a doll. \longrightarrow 6¢
 She buys candy. \longrightarrow 3¢
 She pays \longrightarrow

Add Subtract

6. Ted has \longrightarrow 11¢
 He buys a star. \longrightarrow 2¢
 He has left \longrightarrow

Add Subtract

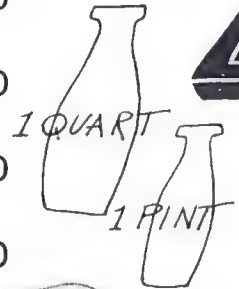
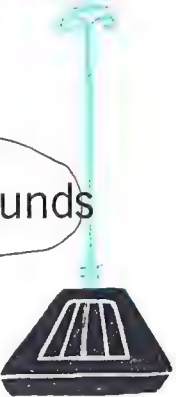
7. Count by 2's: 2 4

8. Count by 2's: 1 3 5

Measures

Draw a line around the best answer.

1. How far can you jump? —————→ 3 inches 3 feet
2. How tall are you? —————→ 4 feet 4 inches
3. Which is the longer time? —————→ 2 weeks 6 days
4. Which cost more? —————→ shoes socks
5. Which tells what Joe weighs? —————→ 49 inches 49 pounds
6. Are there 2 pints in a quart? —————→ Yes No
7. Are there 12 inches in a foot? —————→ Yes No
8. Are there 7 days in a week? —————→ Yes No
9. Do 10 dimes = 1 dollar? —————→ Yes No
10. How long are you in school each day? —————→ 5 hours 15 hours
11. How heavy is a loaf of bread? —————→ 1 pound 10 pounds
12. How much might you pay for a quart of milk? —————→ 5¢ 25¢



Write these words in the right places:

inches pounds years

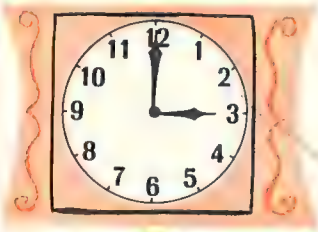
13. Tom is 7 years old.

14. He is 49 inches tall.

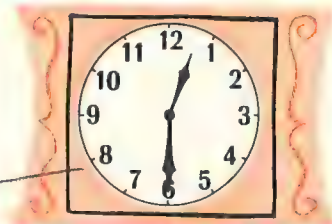
15. He weighs 49 pounds.



Draw a line from each clock to the right time.



half-past 4



half-past 12



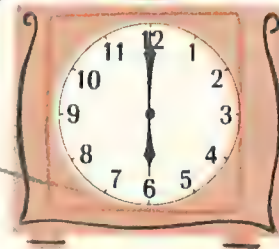
3 o'clock



half-past 6



6 o'clock



half-past 9

Put the long hand on each clock.



10 o'clock



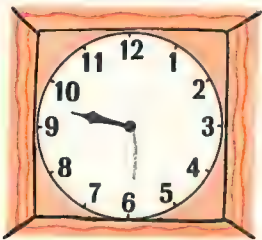
4 o'clock



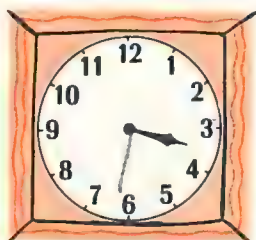
8 o'clock



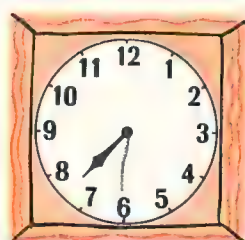
11 o'clock



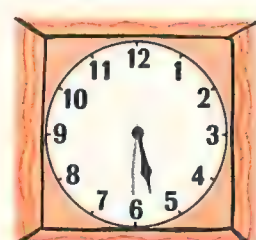
half-past 9



half-past 3



half-past 7



half-past 5



10 orange beads 2 black beads

12 beads in all



1. 9 orange beads 3 black beads

_____ beads in all

$$9 + 3 = \underline{\quad\quad} \quad 12 - 3 = \underline{\quad\quad}$$

$$3 + 9 = \underline{\quad\quad} \quad 12 - 9 = \underline{\quad\quad}$$



2. 8 orange beads 4 black beads

_____ beads in all

$$8 + 4 = \underline{\quad\quad} \quad 12 - 4 = \underline{\quad\quad}$$

$$4 + 8 = \underline{\quad\quad} \quad 12 - 8 = \underline{\quad\quad}$$



3. 7 orange beads 5 black beads

_____ beads in all

$$7 + 5 = \underline{\quad\quad} \quad 12 - 5 = \underline{\quad\quad}$$

$$5 + 7 = \underline{\quad\quad} \quad 12 - 7 = \underline{\quad\quad}$$



4. 6 orange beads 6 black beads

_____ beads in all

$$6 + 6 = \underline{\quad\quad} \quad 12 - 6 = \underline{\quad\quad}$$

5. $9 + 1 = 10$, so $9 + 3 = \underline{\quad\quad}$

6. $8 + 2 = 10$, so $8 + 4 = \underline{\quad\quad}$

7. $7 + 3 = 10$, so $7 + 5 = \underline{\quad\quad}$

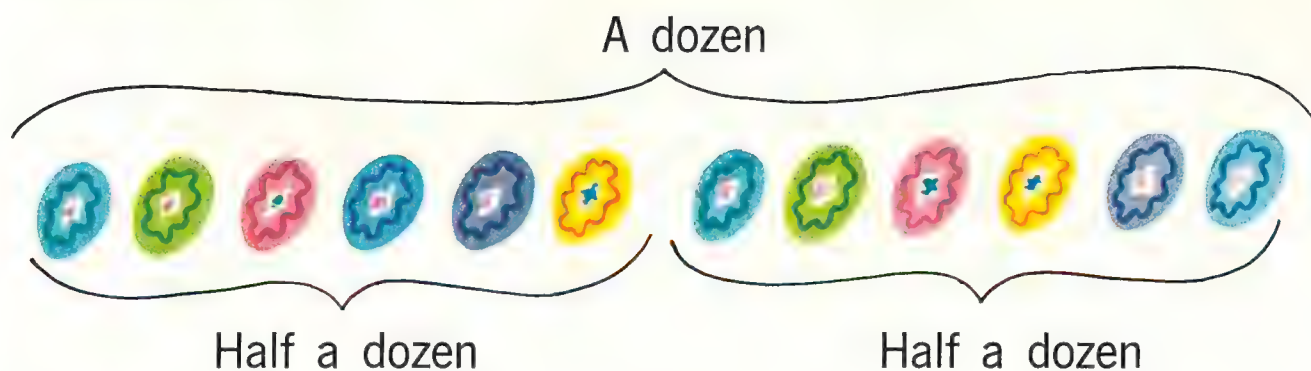
8. $6 + 4 = 10$, so $6 + 6 = \underline{\quad\quad}$

9.
$$\begin{array}{r} 12 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +6 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -8 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 12 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -4 \\ \hline \end{array}$$

A dozen is 12.



1. A dozen eggs is ____ eggs.

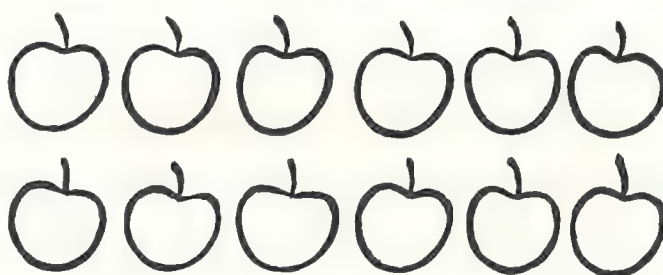
Half a dozen eggs is ____ eggs.

2. Here is a dozen apples.

Count the apples.

Color half a dozen red.

Color half a dozen green.

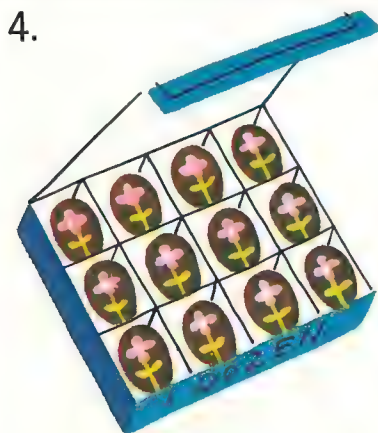


3.



Is a dozen $6 + 6$?	Yes	No
Is a dozen $2 + 2 + 2 + 2 + 2 + 2$?	Yes	No
Is a dozen 2 sixes?	Yes	No
Is a dozen 6 twos?	Yes	No
Is a dozen $2 + 6$?	Yes	No

4.



Is a dozen $4 + 4 + 4$?	Yes	No
Is a dozen $3 + 3 + 3 + 3$?	Yes	No
Is a dozen $3 + 4$?	Yes	No
Is a dozen 3 fours?	Yes	No
Is a dozen 4 threes?	Yes	No

Using 12



1. Look at the picture. What kind of cakes can Susan buy?
2. 6 white cakes and ____ yellow cakes make a dozen cakes.
3. Write the missing numbers to make a dozen:

6 white	8 yellow	4 white	6 white
____ yellow	____ pink	4 yellow	3 pink
		____ pink	____ yellow
2 white	2 white	5 white	1 white
3 pink	4 pink	5 pink	2 pink
____ yellow	____ yellow	____ yellow	____ yellow

4. $6 + 5 = 11$, so $6 + 6 = \underline{\hspace{1cm}}$.
5. $7 + 3 = 10$, so $7 + 5 = \underline{\hspace{1cm}}$.
6. $9\text{¢} + 3\text{¢} = 1 \text{ dime}$, ____ cents.
7. $5\text{¢} + 7\text{¢} = 1 \text{ dime}$, ____ cents.
8.
$$\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$
9.
$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$$

Getting Change

Each child has a nickel.

1. Ted spends 2¢.
2. Ann spends 4¢.
3. Bob spends 3¢.
4. Sue spends 1¢.
5. Joe spends 5¢.

His change is ____¢.

Her change is ____¢.

His change is ____¢.

Her change is ____¢.

Does he get change? ____

Each child has a dime.

6. Jane spends 6¢.
7. Bill spends 5¢.
8. Mary spends 10¢.
9. Jack spends 4¢.
10. Jean spends 7¢.
11. Dick spends 9¢.
12. John spends 2¢.
13. Nell spends 8¢.
14. Nick spends 3¢.
15. Fred spends 1¢.

Her change is ____¢.

His change is ____¢.

Her change is ____¢.

His change is ____¢.

Her change is ____¢.

His change is ____¢.

His change is ____¢.

Her change is ____¢.

His change is ____¢.

His change is ____¢.

Do you add? Do you subtract?

1. Ruth has 5¢.

Bill has 8¢.

Who has more? ____

How much more? ____

How do you find the answer?

$5 + 8$

$8 - 5$

2. Ted caught 6 fish.

Joe caught 5 fish.

Together they caught ____ fish.

How do you find the answer?

$6 + 5$

$6 - 5$

3. Jane had 6 flowers.

She gave away 5.

How many are left? ____

$6 + 5$

$6 - 5$

4. Jack wants a 10-cent toy.

He has 4¢.

He must get ____¢ more.

$10 + 4$

$10 - 4$

5. John buys a 3-cent stamp.

He gives a nickel.

His change is ____¢.

$3 + 5$

$5 - 3$

6. Tom had 6 apples.

He gave some away.

He has 4 left.

He gave away ____ apples.

$6 + 4$

$6 - 4$

7. 7 children are in the pool.

5 are boys.

How many are girls? ____

$7 + 5$

$7 - 5$

8. Nancy is 5 years old.

Jack is 2 years older.

Jack is ____ years old.

$5 + 2$

$5 - 2$

Spell my name

L I D N B A E S Y T

My name has:

The fourth letter ____

The seventh letter ____

The third letter ____

My name is ____.

My name has:

The third letter ____

The sixth letter ____

The fourth letter ____

My name is ____.

My name has:

The first letter ____

The second letter ____

The fourth letter ____

The third letter ____

The sixth letter ____

My name is ____.

My name has:

The fifth letter ____

The seventh letter ____

The tenth letter ____

The eighth letter ____

The ninth letter ____

My name is ____.

My name has:

The fifth letter ____

The seventh letter ____

The fourth letter ____

My name is ____.

My name has:

The tenth letter ____

The seventh letter ____

The third letter ____

My name is ____.

Adding tens and ones (Optional)

Sue made 14 white cookies.

She made 12 brown cookies.

In all, she made _____ cookies.

Sue added 14 and 12

this way:



$$\begin{array}{r} 14 \\ +12 \\ \hline 26 \end{array}$$

She said:

⇒ 4 ones + 2 ones = 6 ones

⇒ 1 ten + 1 ten = 2 tens

⇒ My answer is 2 tens
and 6 ones, or _____.

Add the ones. Then add the tens.

$$\begin{array}{r} 1. \quad 43 \quad 73 \quad 62 \\ \quad +25 \quad +14 \quad +24 \end{array}$$

$$\begin{array}{r} 2. \quad 85 \quad 12 \quad 27 \\ \quad +14 \quad +73 \quad +62 \end{array}$$

$$\begin{array}{r} 3. \quad 24 \quad 33 \quad 45 \\ \quad +53 \quad +66 \quad +42 \end{array}$$

$$\begin{array}{r} 4. \quad 34 \quad 28 \quad 11 \\ \quad +52 \quad +11 \quad +76 \end{array}$$

$$\begin{array}{r} 5. \quad 37 \quad 86 \quad 55 \\ \quad +42 \quad +22 \quad +54 \end{array}$$

$$\begin{array}{r} 6. \quad 72¢ \quad 82¢ \quad 45¢ \\ \quad +14¢ \quad +16¢ \quad +52¢ \\ \hline \quad \quad \quad \quad \quad \quad \end{array}$$

7. How many are
34 + 35? _____

8. What number is
12 more than 34? _____

9. What number is
25 more than 52? _____

Adding large numbers (Optional)

1. Harry had 35¢. He earned 13¢ more.

How much has he now? ____

$$\begin{array}{r} 35¢ \\ +13¢ \\ \hline \end{array}$$

2. Jane had 13 jacks. She got 12 more.

How many had she then? ____

3. Peter has 24 blocks. Mary has 33 blocks.

How many blocks have both children? ____

4. Ellen made 14 nut cookies and 22 plain cookies.

How many did she make? ____

5. Betty found 35 shells and 33 shells.

How many shells did she find in all? ____

6. Joe played his drum 30 minutes.

Then he played it 30 minutes more.

How many minutes did he play? ____

Add the ones. Then add the tens.

7.	$\begin{array}{r} 61 \\ +32 \\ \hline \end{array}$	$\begin{array}{r} 66 \\ +12 \\ \hline \end{array}$	$\begin{array}{r} 71 \\ +23 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ +21 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ +12 \\ \hline \end{array}$	$\begin{array}{r} 71 \\ +28 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ +13 \\ \hline \end{array}$
----	--	--	--	--	--	--	--

8.	$\begin{array}{r} 71 \\ +25 \\ \hline \end{array}$	$\begin{array}{r} 56 \\ +43 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ +27 \\ \hline \end{array}$	$\begin{array}{r} 52 \\ +42 \\ \hline \end{array}$	$\begin{array}{r} 47 \\ +52 \\ \hline \end{array}$	$\begin{array}{r} 41 \\ +37 \\ \hline \end{array}$	$\begin{array}{r} 53 \\ +22 \\ \hline \end{array}$
----	--	--	--	--	--	--	--

Subtracting tens and ones (Optional)

Sam found 28 shells.

He threw away 16.

He had left ____ shells.

Sam subtracted

this way: 

He said:

$$\begin{array}{r} 28 \\ -16 \\ \hline 12 \end{array}$$

⇒ 8 ones – 6 ones = 2 ones

⇒ 2 tens – 1 ten = 1 ten

⇒ My answer is 1 ten
and 2 ones, or ____.

Subtract.

$$\begin{array}{r} 1. \quad 68 \\ -25 \\ \hline \end{array} \quad \begin{array}{r} 87 \\ -14 \\ \hline \end{array} \quad \begin{array}{r} 86 \\ -24 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 99 \\ -85 \\ \hline \end{array} \quad \begin{array}{r} 85 \\ -22 \\ \hline \end{array} \quad \begin{array}{r} 89 \\ -62 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 77 \\ -53 \\ \hline \end{array} \quad \begin{array}{r} 98 \\ -34 \\ \hline \end{array} \quad \begin{array}{r} 87 \\ -37 \\ \hline \end{array}$$

$$4. \quad \begin{array}{r} 86 \\ -34 \\ \hline \end{array} \quad \begin{array}{r} 39 \\ -29 \\ \hline \end{array} \quad \begin{array}{r} 80 \\ -70 \\ \hline \end{array}$$

$$5. \quad \begin{array}{r} 79 \\ -42 \\ \hline \end{array} \quad \begin{array}{r} 67 \\ -35 \\ \hline \end{array} \quad \begin{array}{r} 53 \\ -23 \\ \hline \end{array}$$

$$6. \quad \begin{array}{r} 86 \\ -14 \\ \hline \end{array} \quad \begin{array}{r} 98 \\ -26 \\ \hline \end{array} \quad \begin{array}{r} 90 \\ -50 \\ \hline \end{array}$$

7. Take 42 from 75.
____ are left.

8. What number is
12 less than 49? ____

9. What number is
26 less than 69? ____

Subtracting money (Optional)

Bob had 87¢.

He spent 64¢.

He had left ____¢.

Bob subtracted

64¢ from 87¢: →

$$\begin{array}{r} 87\text{¢} \\ -64\text{¢} \\ \hline 23\text{¢} \end{array}$$

He said:

▷ 7 cents - 4 cents = ____ cents

▷ 8 dimes - 6 dimes = ____ dimes

▷ 87¢ - 64¢ = ____¢

I have 23¢ left.

Subtract.

$$\begin{array}{r} 1. \quad \begin{array}{r} 49\text{¢} \\ -25\text{¢} \\ \hline \end{array} \quad \begin{array}{r} 57\text{¢} \\ -34\text{¢} \\ \hline \end{array} \quad \begin{array}{r} 87\text{¢} \\ -52\text{¢} \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} 2. \quad \begin{array}{r} 68\text{¢} \\ -41\text{¢} \\ \hline \end{array} \quad \begin{array}{r} 88\text{¢} \\ -36\text{¢} \\ \hline \end{array} \quad \begin{array}{r} 97\text{¢} \\ -35\text{¢} \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} 3. \quad \begin{array}{r} 97\text{¢} \\ -61\text{¢} \\ \hline \end{array} \quad \begin{array}{r} 85\text{¢} \\ -62\text{¢} \\ \hline \end{array} \quad \begin{array}{r} 78\text{¢} \\ -42\text{¢} \\ \hline \end{array} \end{array}$$

4. Tom had 75¢.

He spent 51¢.

He then had ____¢.

5. Pat had 98¢.

He lost a quarter.

He had ____¢ left.

6. Ted had 77¢.

He spent a dime.

He had left ____¢.

7. Ann has a dime.

A book costs 60¢.

She needs ____¢ more
to buy the book.

8. 55¢ is ____¢ more
than 31¢.

9. 47¢ is ____¢ less
than 67¢.

Subtracting large numbers (Optional)

1. Tom caught 23 fish.

He threw 12 back into the water.

How many fish did he keep? ____

2. There are 35 children in a boat.

21 are boys. How many are girls? ____

3. Linda wants a 45-cent doll. She has 32¢.

How much more does she need? ____

4. Joe can find only 27 cards. He had 39.

How many cards has he lost? ____

5. Mary has 34 cards. Joe has 57 cards.

Who has more? ____ How many more? ____

Subtract.

6. $\begin{array}{r} 93 \\ -61 \\ \hline \end{array}$ $\begin{array}{r} 78 \\ -66 \\ \hline \end{array}$ $\begin{array}{r} 94 \\ -71 \\ \hline \end{array}$ $\begin{array}{r} 93 \\ -72 \\ \hline \end{array}$ $\begin{array}{r} 89 \\ -57 \\ \hline \end{array}$ $\begin{array}{r} 99 \\ -71 \\ \hline \end{array}$ $\begin{array}{r} 78 \\ -13 \\ \hline \end{array}$

7. $\begin{array}{r} 96 \\ -71 \\ \hline \end{array}$ $\begin{array}{r} 99 \\ -56 \\ \hline \end{array}$ $\begin{array}{r} 99 \\ -82 \\ \hline \end{array}$ $\begin{array}{r} 94 \\ -52 \\ \hline \end{array}$ $\begin{array}{r} 79 \\ -57 \\ \hline \end{array}$ $\begin{array}{r} 78 \\ -41 \\ \hline \end{array}$ $\begin{array}{r} 75 \\ -53 \\ \hline \end{array}$

8. $\begin{array}{r} 96 \\ -61 \\ \hline \end{array}$ $\begin{array}{r} 99 \\ -85 \\ \hline \end{array}$ $\begin{array}{r} 97 \\ -43 \\ \hline \end{array}$ $\begin{array}{r} 86 \\ -52 \\ \hline \end{array}$ $\begin{array}{r} 99 \\ -67 \\ \hline \end{array}$ $\begin{array}{r} 99 \\ -78 \\ \hline \end{array}$ $\begin{array}{r} 97 \\ -72 \\ \hline \end{array}$

Number Practice

Add.

$$\begin{array}{r} 2 \\ 1 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 2 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 2 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 4 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 2 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 2 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 60 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 10 \\ \hline \end{array}$$

Subtract.

$$\begin{array}{r} 20 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ - 40 \\ \hline \end{array}$$

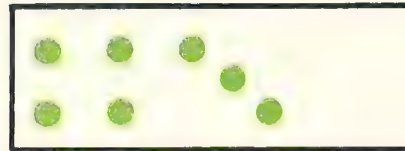
$$\begin{array}{r} 60 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ - 40 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ - 50 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ - 80 \\ \hline \end{array}$$

Draw more dots in each box to make 10.



Can you do these puzzles?

Tell how you find each missing number. Then write it.

$$\begin{array}{r} 2 \\ \square \\ + 3 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 4 \\ 3 \\ + \square \\ \hline 9 \end{array}$$

$$\begin{array}{r} \square \\ 3 \\ + 3 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 4 \\ \square \\ + 4 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 4 \\ + \square \\ \hline 7 \end{array}$$

$$\begin{array}{r} 6 \\ + \square \\ \hline 10 \end{array}$$

$$\begin{array}{r} 3 \\ + \square \\ \hline 9 \end{array}$$

$$\begin{array}{r} \square \\ + 5 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 10 \\ - \square \\ \hline 6 \end{array}$$

$$\begin{array}{r} 9 \\ - \square \\ \hline 3 \end{array}$$

$$\begin{array}{r} 6 \\ - \square \\ \hline 3 \end{array}$$

$$\begin{array}{r} \square \\ - 2 \\ \hline 7 \end{array}$$

$$\begin{array}{r} \square \\ - 4 \\ \hline 3 \end{array}$$

$$\begin{array}{r} \square \\ - 6 \\ \hline 2 \end{array}$$

$$\begin{array}{r} \square \\ - 4 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 10 \\ - \square \\ \hline 1 \end{array}$$

Do you add? Do you subtract?

1. John bought 9 chickens.

He sold 3.

He has ____ chickens left.

Bought _____ 9

Has sold _____ 3

Left _____

2. Dick had 4¢.

Then he earned 6¢.

Now he has ____¢.

Had _____

Earned _____

Has now _____

3. Sue wants to send 9 cards.

She has only 7 cards.

She must get ____ more.

Wants to send _____

Has _____

Must get _____

4. 8 children gave a circus.

6 were boys.

The other ____ children were girls.

Children _____

Boys _____

Girls _____

5. Tom has 7¢.

Jack has a dime.

Jack has ____¢ more than Tom.

Jack has _____

Tom has _____

More _____

6. Peter had 10 pennies.

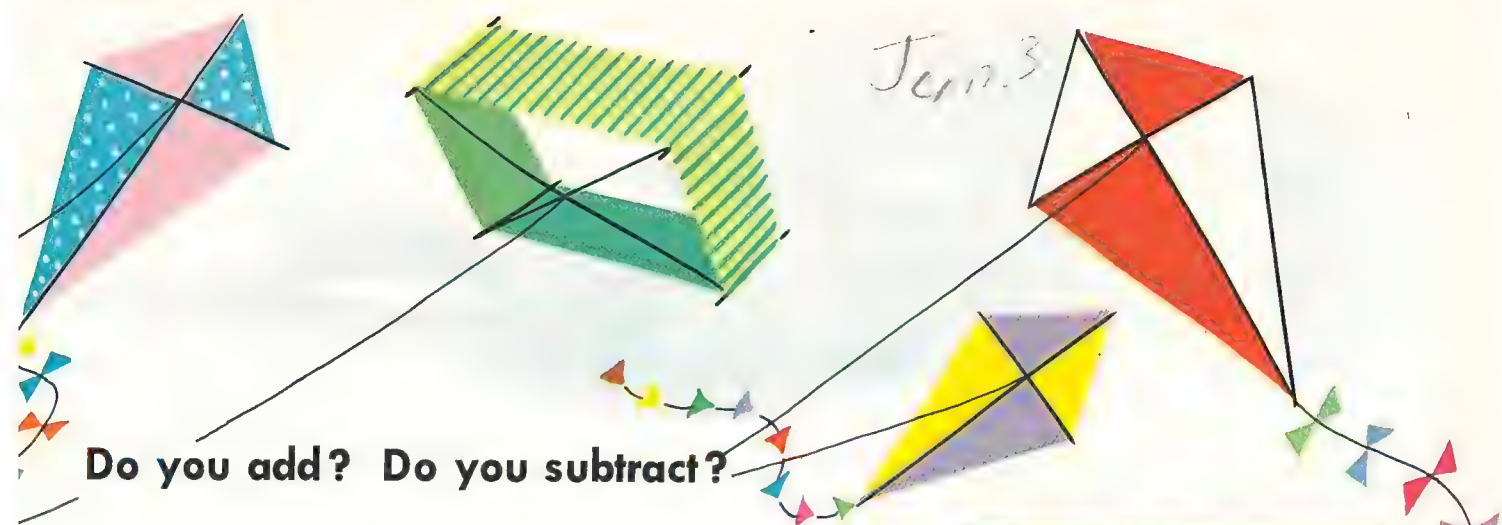
He lost 6¢.

He has ____¢ left.

Had _____

Lost _____

Has left _____



Do you add? Do you subtract?

1. Joe had 7 kites.

He broke 4.

How many had he then? 3

Add

Subtract ✓

2. Dick had 5 kites.

He made 2 more.

How many had he then? 7

Add ✓

Subtract

3. Ann bought 2 kites.

They cost 5¢ each.

How much did she pay? 10

Add ✓

Subtract

4. Bill has 6 kites.

He has 4 kite strings.

How many more strings
does he need? 2

Add

Subtract ✓

5. Tom has 9 kites.

Sue has 6 kites.

Has Tom more than Sue? yes

How many more? 3

Add

Subtract ✓

A test paper

What score did Peter make on this test paper? Give him 10 points for each answer he has right.

Name Peter Smith

Score _____

1. Add 2
$$\begin{array}{r} 2 \\ 3 \\ 4 \\ \hline 9 \end{array}$$

2. Add 20
$$\begin{array}{r} 20 \\ 60 \\ \hline 80 \end{array}$$

3.
$$\begin{array}{r} 90 \\ - 50 \\ \hline 40 \end{array}$$

4. 2 tens and 9 ones = 29

5. How long is this line?

Answer 3 inches

6. Write the missing number: 78 79 80 81

7. Draw a line under the right answer:

How much of this circle is colored?

one half one third one fourth



8. Mary had a dime. She paid 3¢ for candy.
How much did she have then?

Answer 7¢

$$\begin{array}{r} 10¢ \\ - 3¢ \\ \hline 7¢ \end{array}$$

9. Helen has a nickel. She is going to earn 3¢.
How much will she have then?

Answer 8¢

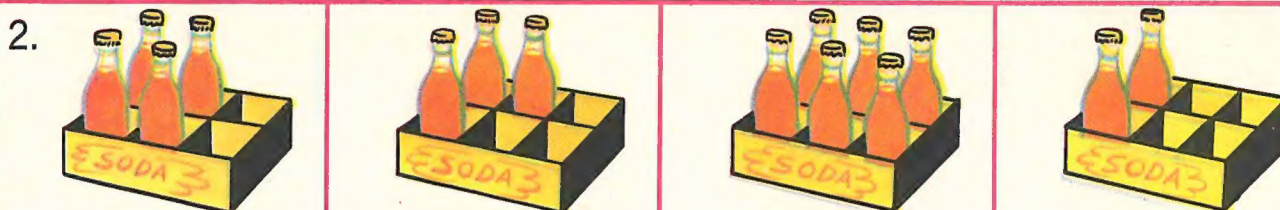
$$\begin{array}{r} 5¢ \\ + 3¢ \\ \hline 8¢ \end{array}$$

10. Jim caught 6 frogs. Now he has only 4.
The others got away. How many got away?

Answer 10

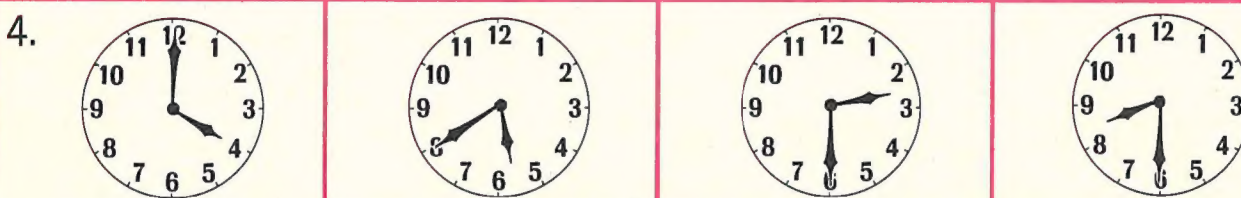
$$\begin{array}{r} 6 \\ + 4 \\ \hline 10 \end{array}$$

Test 7



3.

3¢	2¢	4¢	5¢
----	----	----	----



5.




1 inch	1 foot	2 feet	4 inches
--------	--------	--------	----------



8.

Monday	Tuesday	Thursday	Sunday
--------	---------	----------	--------

Test 8

1.	$\begin{array}{r} 10\text{¢} \\ - 6\text{¢} \\ \hline 4\text{¢} \end{array}$	$\begin{array}{r} 4\text{¢} \\ + 6\text{¢} \\ \hline 10\text{¢} \end{array}$	$\begin{array}{r} 10\text{¢} \\ - 4\text{¢} \\ \hline 6\text{¢} \end{array}$	$\begin{array}{r} 6\text{¢} \\ + 4\text{¢} \\ \hline 10\text{¢} \end{array}$
2.	$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$			
3.	8	88	80	30
4.	$\begin{array}{r} 20 \\ - 30 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ - 20 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ + 20 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ + 30 \\ \hline \end{array}$
5.	$\begin{array}{r} 5\text{¢} \\ + 5\text{¢} \\ \hline \end{array}$	$\begin{array}{r} 5\text{¢} \\ + 2\text{¢} \\ \hline \end{array}$	$\begin{array}{r} 5\text{¢} \\ - 2\text{¢} \\ \hline \end{array}$	$\begin{array}{r} 5\text{¢} \\ - 5\text{¢} \\ \hline \end{array}$
6.	199	198	188	190
7.	$\begin{array}{r} 70\text{¢} \\ + 50\text{¢} \\ \hline \end{array}$	$\begin{array}{r} 70\text{¢} \\ - 50\text{¢} \\ \hline \end{array}$	$\begin{array}{r} 70\text{¢} \\ - 10\text{¢} \\ \hline \end{array}$	$\begin{array}{r} 70\text{¢} \\ - 25\text{¢} \\ \hline \end{array}$
8.	$\begin{array}{r} 6\text{¢} \\ 2\text{¢} \\ + 2\text{¢} \\ \hline \end{array}$	$\begin{array}{r} 6\text{¢} \\ 3\text{¢} \\ + 3\text{¢} \\ \hline \end{array}$	$\begin{array}{r} 6\text{¢} \\ 2\text{¢} \\ + 3\text{¢} \\ \hline \end{array}$	$\begin{array}{r} 6\text{¢} \\ 3\text{¢} \\ + 1\text{¢} \\ \hline \end{array}$

To the Teacher

Essential to the use of this Grade 2 text-workbook, *Two by Two*, of the GROWTH IN ARITHMETIC series is its accompanying Teacher's Edition. The Teacher's Edition gives the objectives and the detailed directions for teaching each page of the pupil's book together with a reproduction of the page in color. It includes many specific suggestions for employing a variety of learning activities and materials of proven value in carrying out a well rounded arithmetic program in the second grade. Anyone examining the book with a view to using it with children should refer to the Teacher's Edition.

This book, *Two by Two*, used in accordance with the teacher's guide, provides a continuity of activities and experiences for extending children's basic arithmetic learnings. As in the first-grade book of the series, the learning proceeds from things to pictures, thence to number symbols. The work is planned so that the teacher may effectively utilize children's everyday number needs as resource material in a developmental program of instruction.

Meaningful teaching of primary arithmetic employs a variety of sensory experiences: seeing, touching, talking and hearing are all essential. The pages of this text-workbook are intended to summarize and point up for the child the previous discoveries he has made by grouping objects, comparing sizes of groups, and through other uses of concrete materials. The class should use each page as a basis for a discussion under the teacher's guidance before the children finally do the written work in their books. Thus do number concepts grow and become meaningful through repeated practice with objects and pictures and symbols.

The following is an outline of the arithmetical content of Grade 2 of GROWTH IN ARITHMETIC. A complete analysis by pages will be found in the Teacher's Edition.

Counting, rote and rational

Understanding, reading, and writing numbers
to 10; to 200

Composition, comparison, and relationship of
numbers through 12; in Teacher's Edition,
optional for faster learners, through 18

Number sequence

Concept of half; halves and doubles through 12

Concepts of third and fourth (of a whole)

Ordinals through tenth

Needed vocabularies, both spoken and written

Money (cent, nickel, dime, quarter, half dollar,
dollar)

Measuring length in inches and feet

Measuring liquids in cups, pints, and quarts

Measuring weight in pounds

Time (clock and calendar)

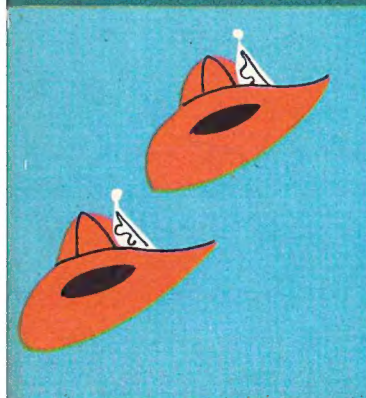
Addition and subtraction, sums and minuends
through 12; even tens through 100; *optional*,
two-place numbers; in Teacher's Edition, *op-*
tional for faster learners to explore, sums and
minuends through 18

Problem solving

Estimating, generalizing, and reasoning

The reading load in this book is kept at a minimum. All the non-quantitative words are those the pupil is meeting in his reading textbooks and other classroom reading experiences. The strictly arithmetical words such as count, number, many, etc., are given meaning during the readiness and discussion periods when the pupil hears, understands, speaks, and finally learns to recognize the written form. Thus the pupil is fully prepared to read easily the limited vocabulary used in this book.

Illustrations by Betty Alden, Ruth Ruhman, Frank Schwarz, Charles Dougherty and other
Delos D. Rowe associates.



GROWTH IN ARITHMETIC: Revised Edition

Two by Two

by John R. Clark, Charlotte W. Junge and Caroline Hatton Clark

MY NAME

Harcourt, Brace & World

New York Chicago Atlanta Dallas Burlingame

